

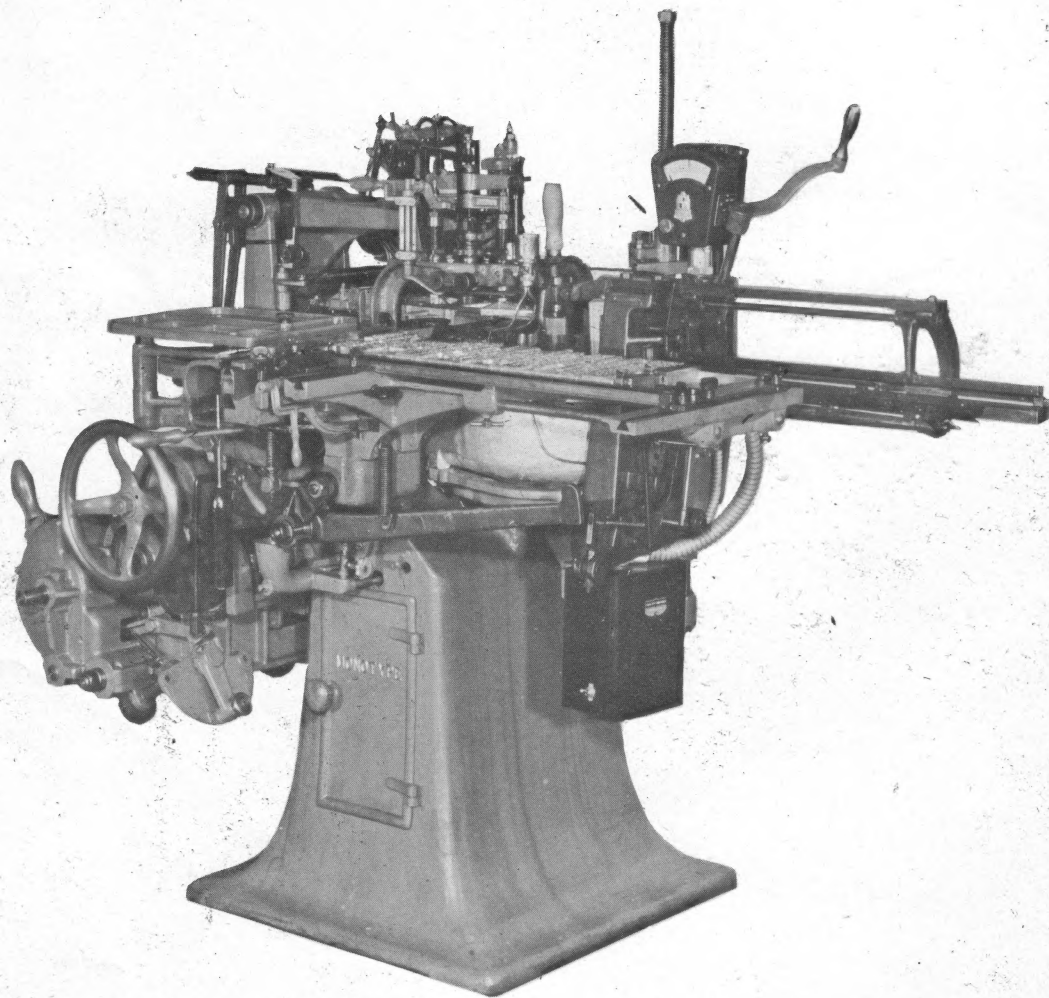
PLATE BOOK

EFFECTIVE JANUARY 1, 1955

'MONOTYPE' TYPESETTING MACHINE

THE COMPOSITION TYPE-CASTER

THE 'MONOTYPE' TYPESETTING MACHINE



THE
'MONOTYPE' TYPESETTING MACHINE

Illustrations of the Parts of the
'Monotype' Typesetting Machine with
their Names and Symbols.

1955 —

LANSTON MONOTYPE MACHINE COMPANY

Philadelphia 3, Pa.

Copyright, 1955, by

Lanston Monotype Machine Company

The word 'Monotype' is a registered Trade Mark

Printed in U.S.A

FOREWORD

in which the purpose and use of the 'Monotype' Typesetting Machine Plate Book is described

The accurate processing and prompt shipment of orders we receive for repair parts and supplies is our obligation to every 'Monotype' User. To discharge this obligation we need your cooperation in having your orders specify the correct symbols and names of the parts listed. The purpose of this book is to provide the information you need to accomplish our mutual objective. When ordering a part it is only necessary for you to list the symbol and its name as capitalized in this book.

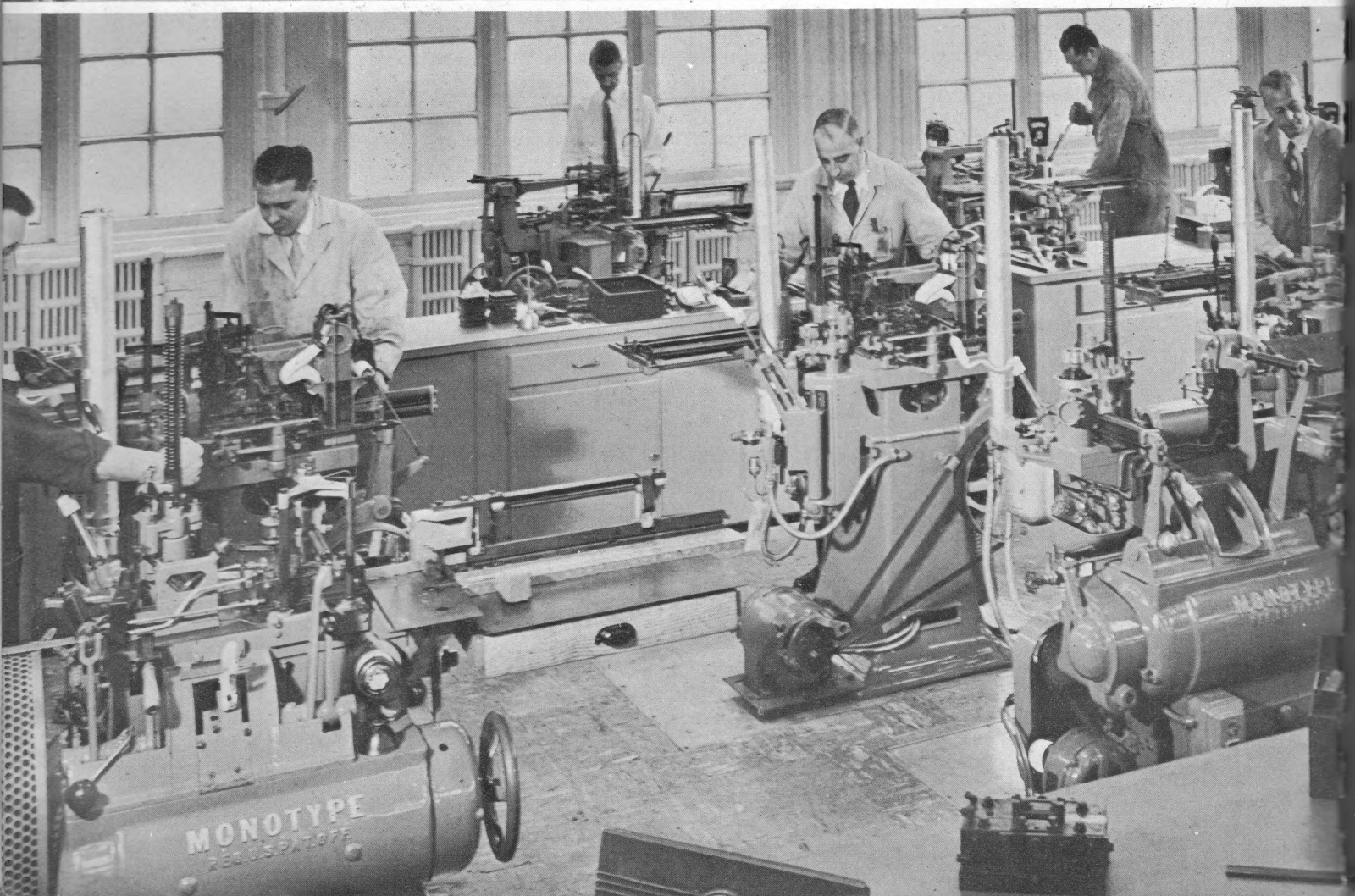
On page 112 we have listed the Index of Illustrations to provide an easy method to locate the page illustrating the part required, and on the facing page the symbol and name of the part are listed. In some instances where individual parts are illustrated on more than one page this information is furnished in the Index of Illustrations.

Some illustrations show individual parts which are supplied only in a complete assembly, because the precise fitting of the parts in the assembly requires special tools and fixtures which are not available outside the 'Monotype' Factory. Our purpose in showing these parts individually is to provide instructional aid to apprentice Casting Machine operators in their studies.

The parts illustrated are for the 1517 'Monotype' Typesetting Machine. When ordering parts for the older style 1515 'Monotype' Typesetting Machine we recommend that you refer to your copy of the 'Monotype' Typesetting Machine Parts List to insure that the correct symbol is listed on your purchase order.

The sincerity of our desire to provide prompt and accurate service is evidenced by the thought and work we have put into the preparation of this book. We are confident you will cooperate by using it.

LANSTON MONOTYPE MACHINE COMPANY



THE MONOTYPE SCHOOL

... a most important step to an interesting and rewarding career

Many executives and owners of printing plants who read this page will agree that the instruction received at The 'Monotype' School was the most important asset in assisting them to acquire the knowledge and experience which later qualified them to hold the important positions they occupy today.

The 'Monotype' School, illustrated on the facing page, under the supervision of highly competent teachers, operates five days per week, 8:30 a.m. to 5:00 p.m., Monday through Friday. It is not operated in the evenings or on Saturdays. Tuition and instruction material is furnished without charge.

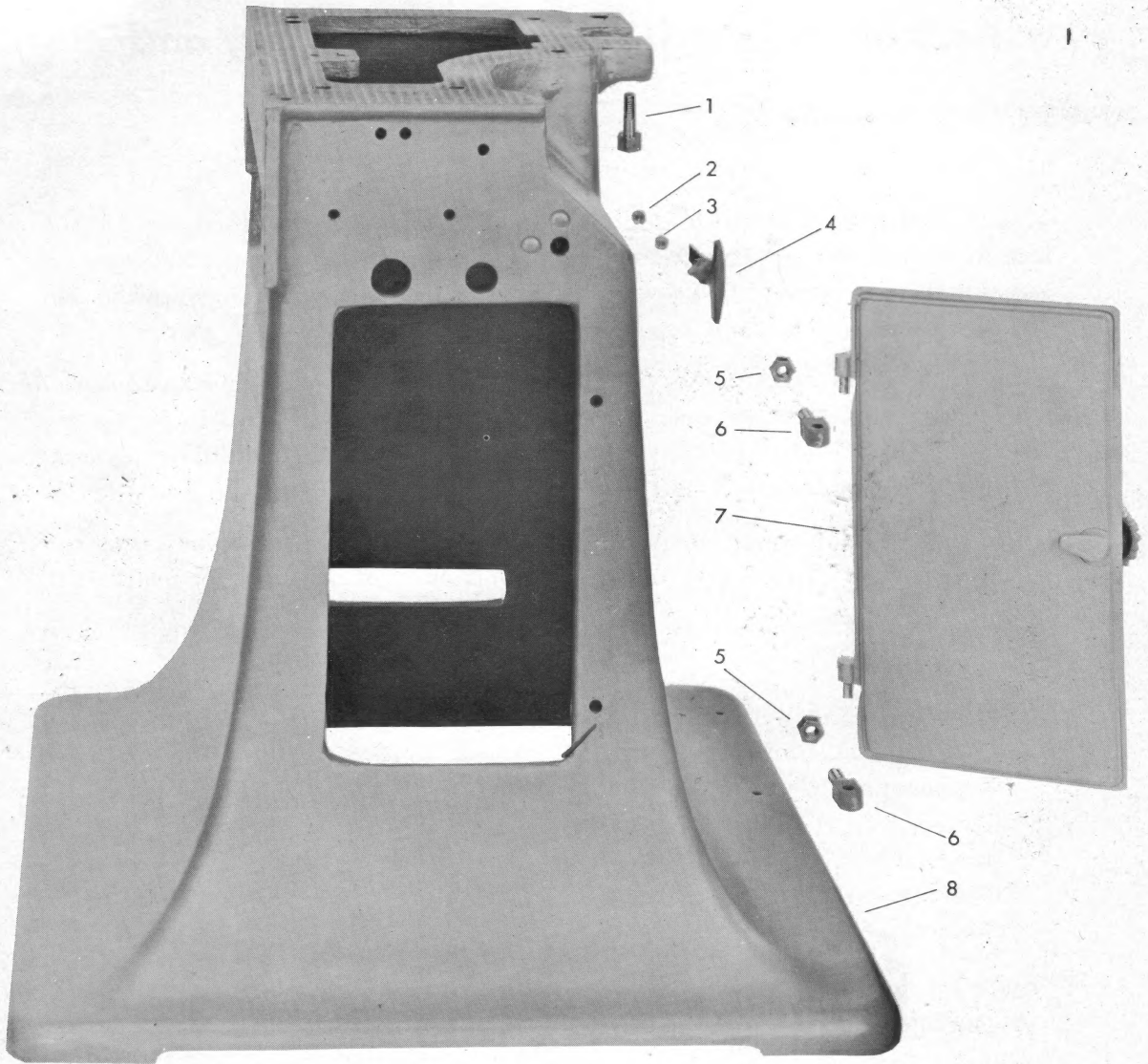
Instruction is largely on an individual basis; therefore, there are no prescribed registration dates. This is governed by the availability of machines for instruction.

The courses of instruction and the approximate time required to complete each course are:

Keyboard.....	10 Weeks
Composition Caster.....	10 Weeks
Keyboard and Composition Caster (combination).....	20 Weeks
Type-&-Rule Caster.....	2 Weeks
Material Making Machine.....	2 Weeks
Giant Caster.....	2 Weeks
'Monotype' Thompson Type Caster.....	2 Weeks

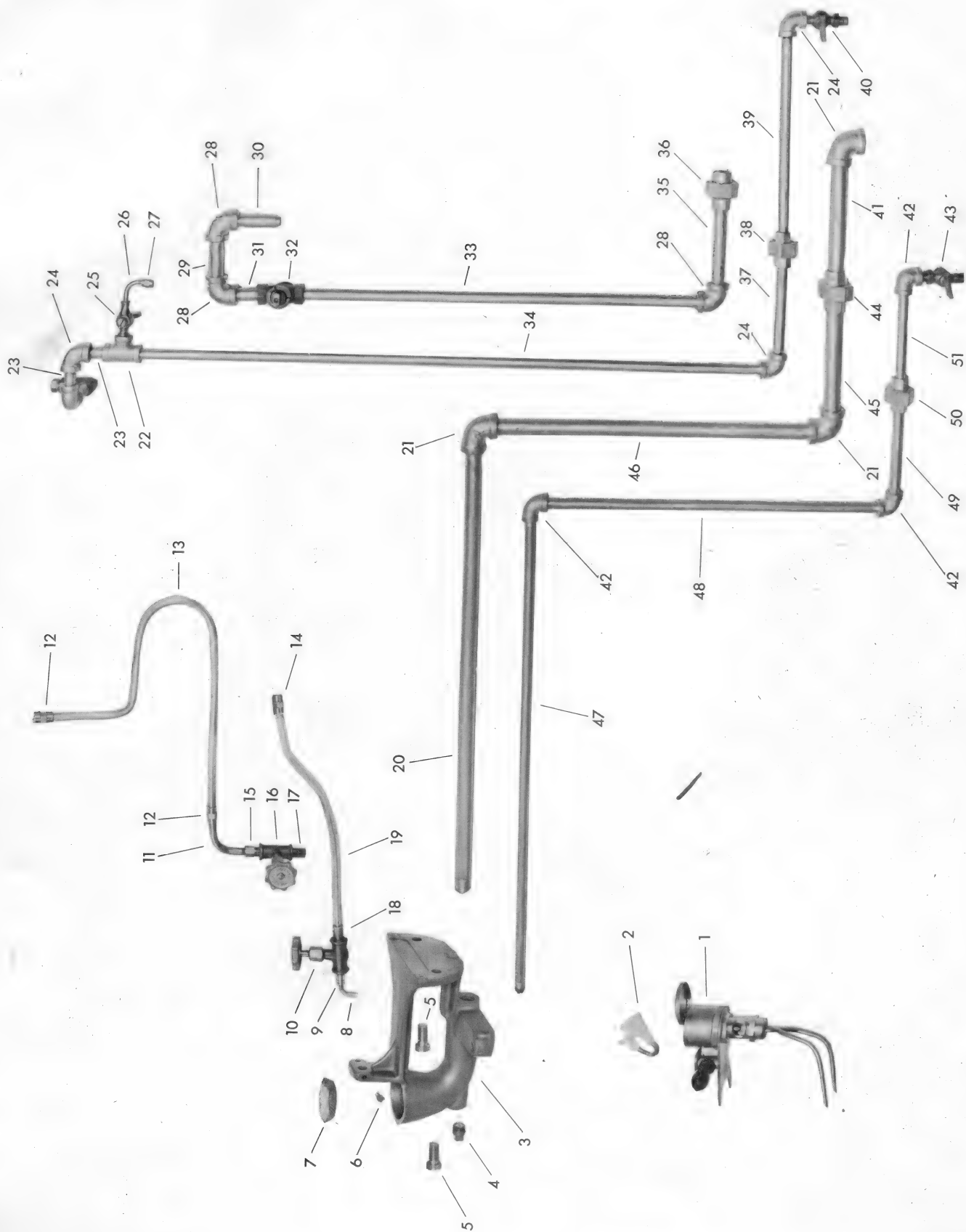
"Refresher Courses" are available to 'Monotype' Operators, and arrangements to meet the applicant's convenience can be made for specialized instruction of this nature.

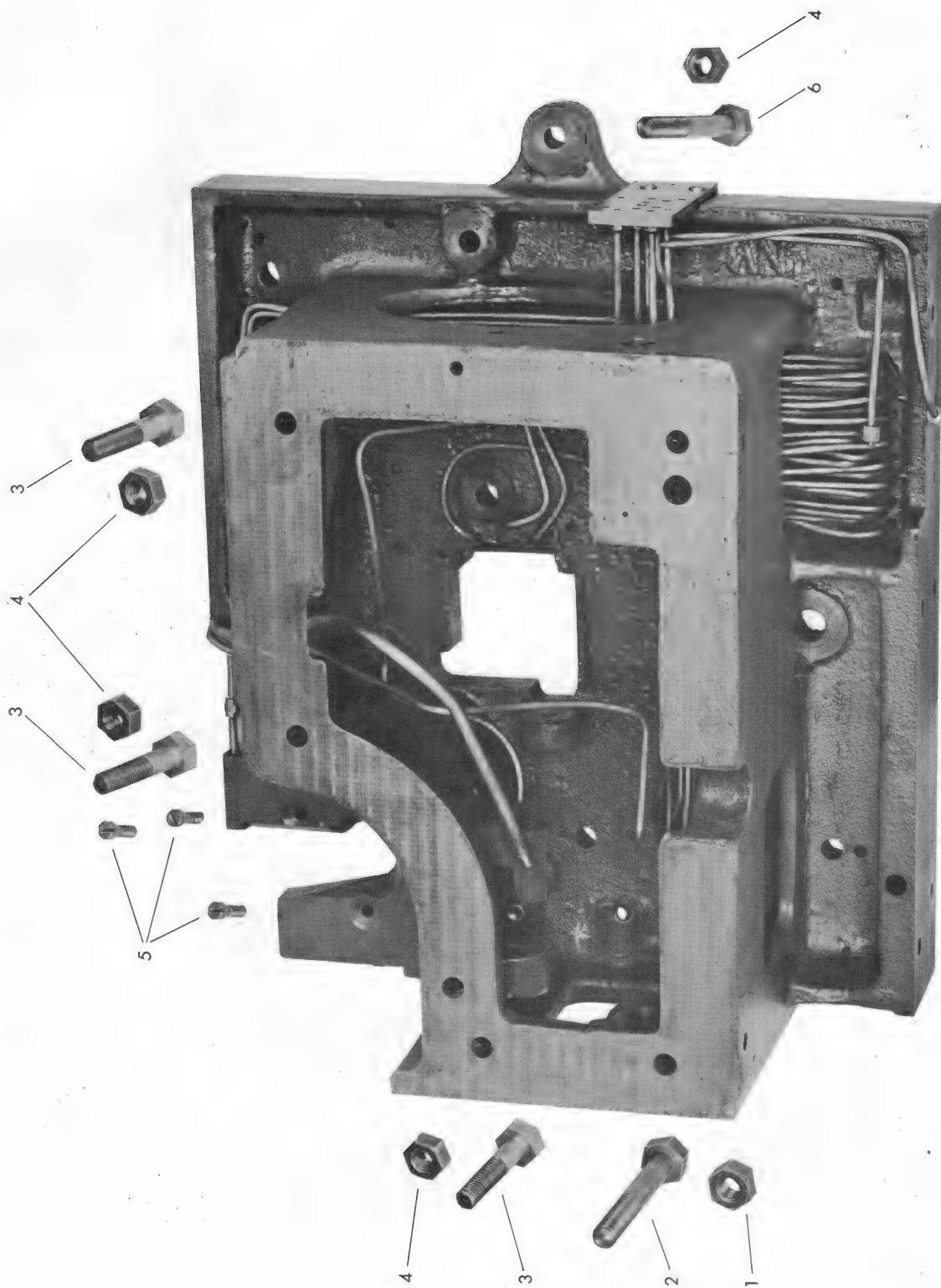
Write to the 'Monotype' School, Lanston Monotype Machine Company, 24th and Locust Streets, Philadelphia 3, Pa., for application blank.



BASE

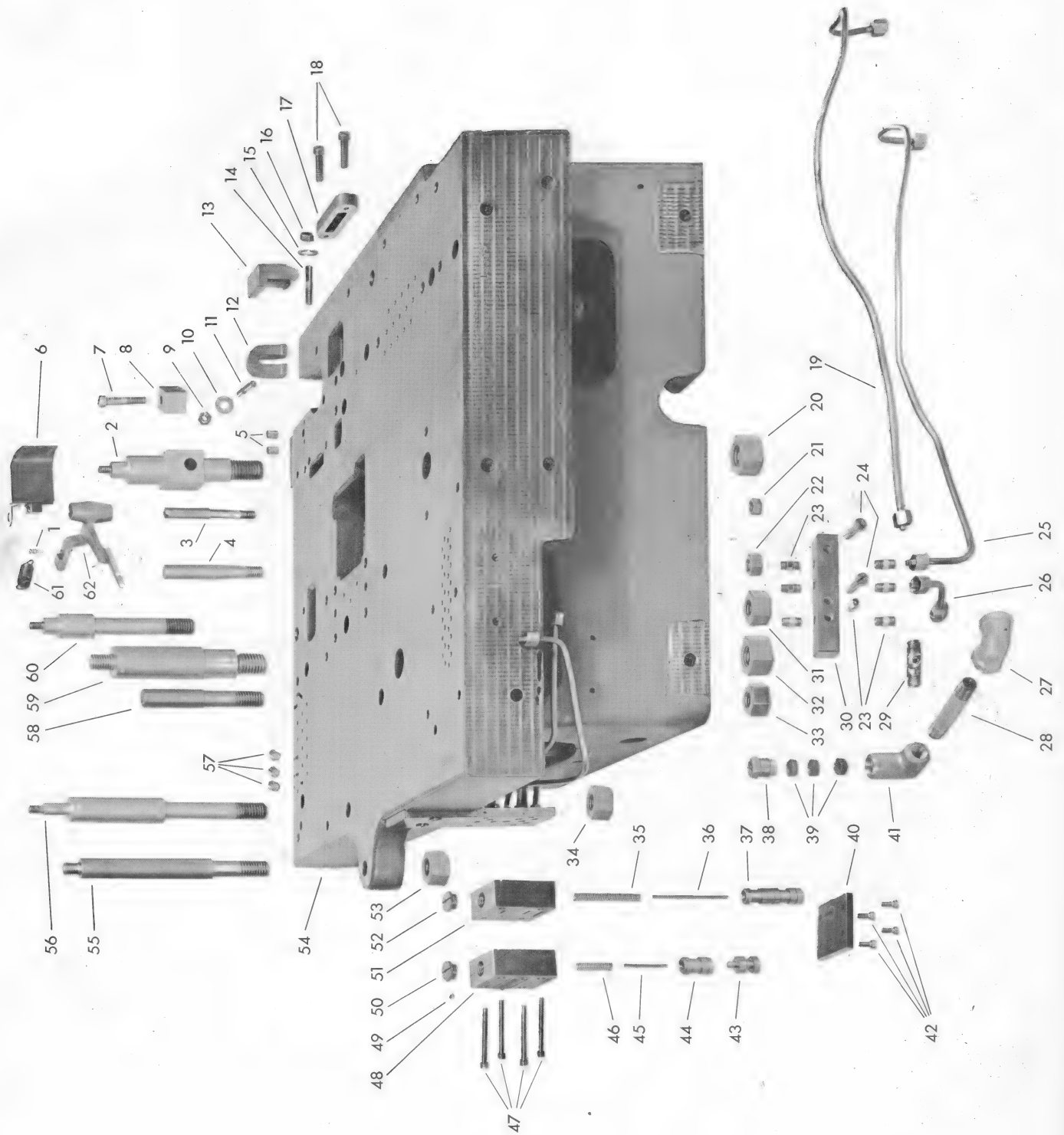
Key	Symbol	Name
1	38H1	BOLT (to a36EE) =16
2	a1E4	BUTTON "OFF"
3	a1E3	BUTTON "ON"
4	56H1	Gas Cock OPERATING HANDLE
5	a1E2	Hinge NUT (2) #319
6	a1E1	HINGE (for door) (2)
7	17E	DOOR
	17E1	Hinge PIN (2)
	17E2	KNOB
	17E3	LATCH





MAIN STAND—BOTTOM VIEW

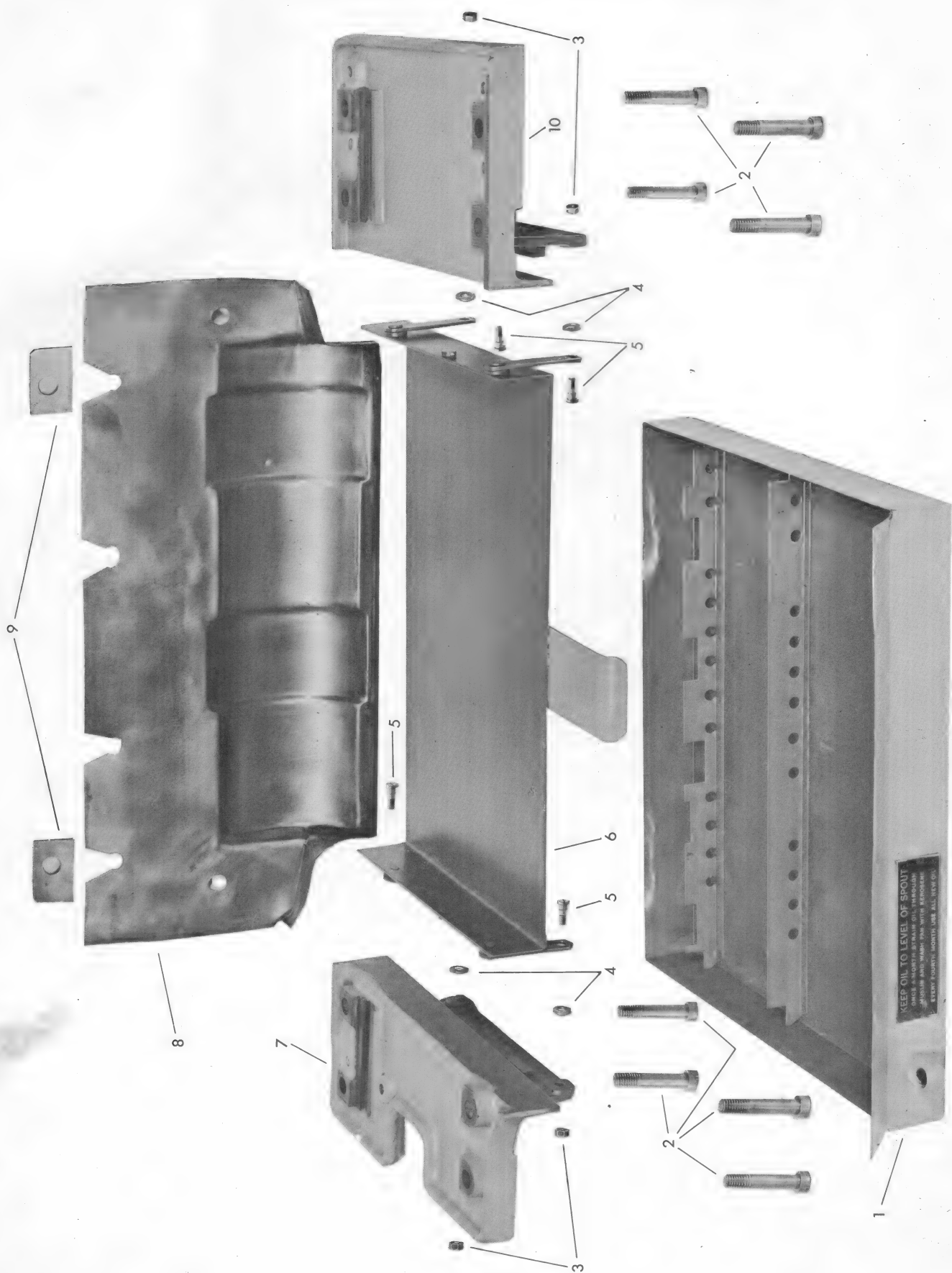
<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	36E35	Bolt NUT #327
2	36E34	BOLT ($\frac{1}{2}$ " x $3\frac{1}{2}$ ") =11
3	36E37	BOLT ($\frac{7}{16}$ " x 2") (3) =13
4	36E38	Bolt NUT (4) #322
5	a50E	Mold SCREW ($\frac{1}{4}$ " x $1\frac{1}{4}$ ") (3)
6	36E36	BOLT ($\frac{7}{16}$ " x $3\frac{1}{2}$ ") #12



MAIN STAND—TOP VIEW

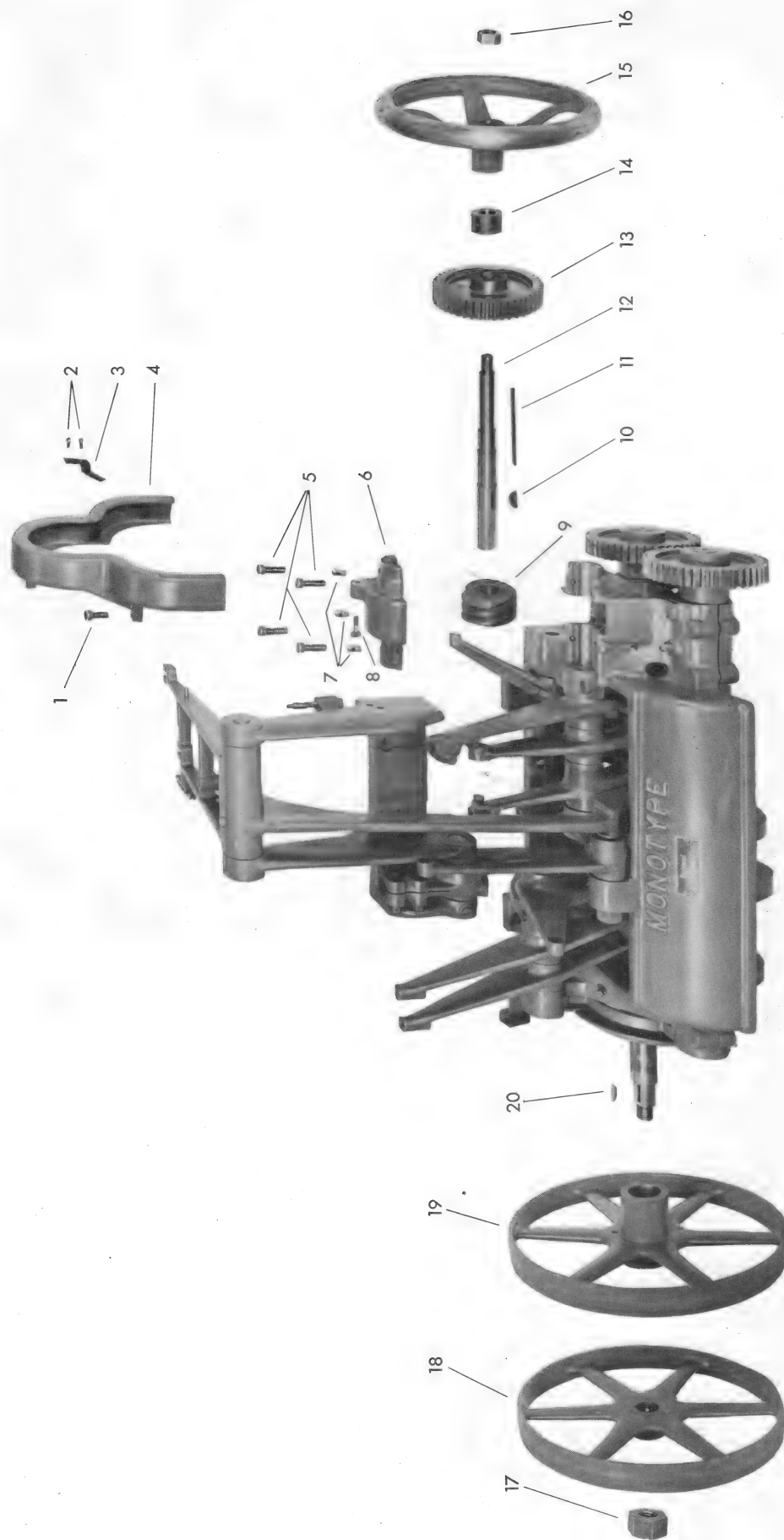
Key	Symbol	Name	Key	Symbol	Name
1	87E6	Spring PIN #872	29	280E23	TEE BASE
2	a39E	Matrix Jaw Tongs STUD (front, in a36E51)	30	281E1	Air Pipe CONNECTION BLOCK
3	b87E8	STUD	31	40E1	NUT (lower) #327
4	b32E	Locking Bar Bell Crank STUD (in a36E51)	32	22E1	NUT (lower) #329
5	a36E39	BUSHING (for water holes) (2)	33	74E1	NUT #327
6	284E1	Gate Vent GUARD	34	63E1	NUT (lower) #327
	284E2	BLOCK	35	282E13	Valve SPRING #6291
	284E3	Block BALL	36	282E12	Valve PIN
	284E4	Block Ball SPRING	37	282E11	VALVE (control)
	284E5	Block RIVET (2) #7172	38	1H8	Expansion Elbow NUT
7	19D1	SCREW #219	39	1H9	Expansion Elbow PACKING (leather) (3)
8	19D	Justification Wedge STOP BLOCK	40	282E7	BOTTOM PLATE
9	a49E3	Stud NUT #310	41	1H7	EXPANSION ELBOW
10	49E2	Stud WASHER #413	42	282E8	Bottom Plate SCREW (4) #236
11	a49E1	STUD #852	43	282E14	VALVE (cut off) (lower)
12	49E	Mold CLAMP (side)	44	282E15	VALVE (cut off) (upper)
13	89E1	Mold CLAMP (front)	45	282E16	Valve PIN
14	a48E1	Mold Clamp STUD (front) #852	46	282E17	Valve SPRING #6292
15	48E2	WASHER #413	47	282E6	SCREW (to holding plate) (4) #2372
16	a48E3	NUT #310	48	282E3	VALVE BOX BODY (for cut off valve)
17	79E	WATER CONNECTION (front)	49	282E5	PLUG (small) #2371
18	79E1	SCREW (2) #240	50	282E4	PLUG (large)
19	280E5	AIR PIPE (repeater release to tee)	51	282E1	VALVE BOX BODY (for control valve)
	280E19	Connector NUT (2)	52	282E2	PLUG (large)
	280E20	Connector SLEEVE (2)	53	42E1	NUT (lower) #327
20	39E1	NUT (lower) #329	54	a36E51	MAIN STAND (including air pipes, 282E9 holding plate, etc.)
21	87E9	Stud NUT #310	55	42E	Mold Blade Bell Crank STUD
22	b32E1	NUT #319	56	63E	Pin Jaw Tongs STUD (rear, in a36E51)
23	281E2	CONNECTOR (7)	57	*	SCREW PLUG (3) #2239
24	281E3	SCREW (to main stand) (2) #220	58	74E	Type Pusher Bell Crank FULCRUM STUD
25	280E3	AIR PIPE (repeater release to control box)	59	22E	Jaw Tongs Bell Crank FULCRUM STUD
	280E19	Connector NUT (2)	60	40E	Matrix Jaw Tongs STUD (rear, in c3D)
	280E20	Connector SLEEVE (2)	61	87E7	SPRING #6101
26	280E8	AIR PIPE (tee to control box)	62	87E1	Mold Blade Carrier Latch BELL CRANK
	280E19	Connector NUT (2)			
	280E20	Connector SLEEVE (2)			
27	1H6	ELBOW (1/8")			
28	1H3	AIR PIPE (iron 1/8" x 2 1/4")			

*Order by manufacturing #2239.



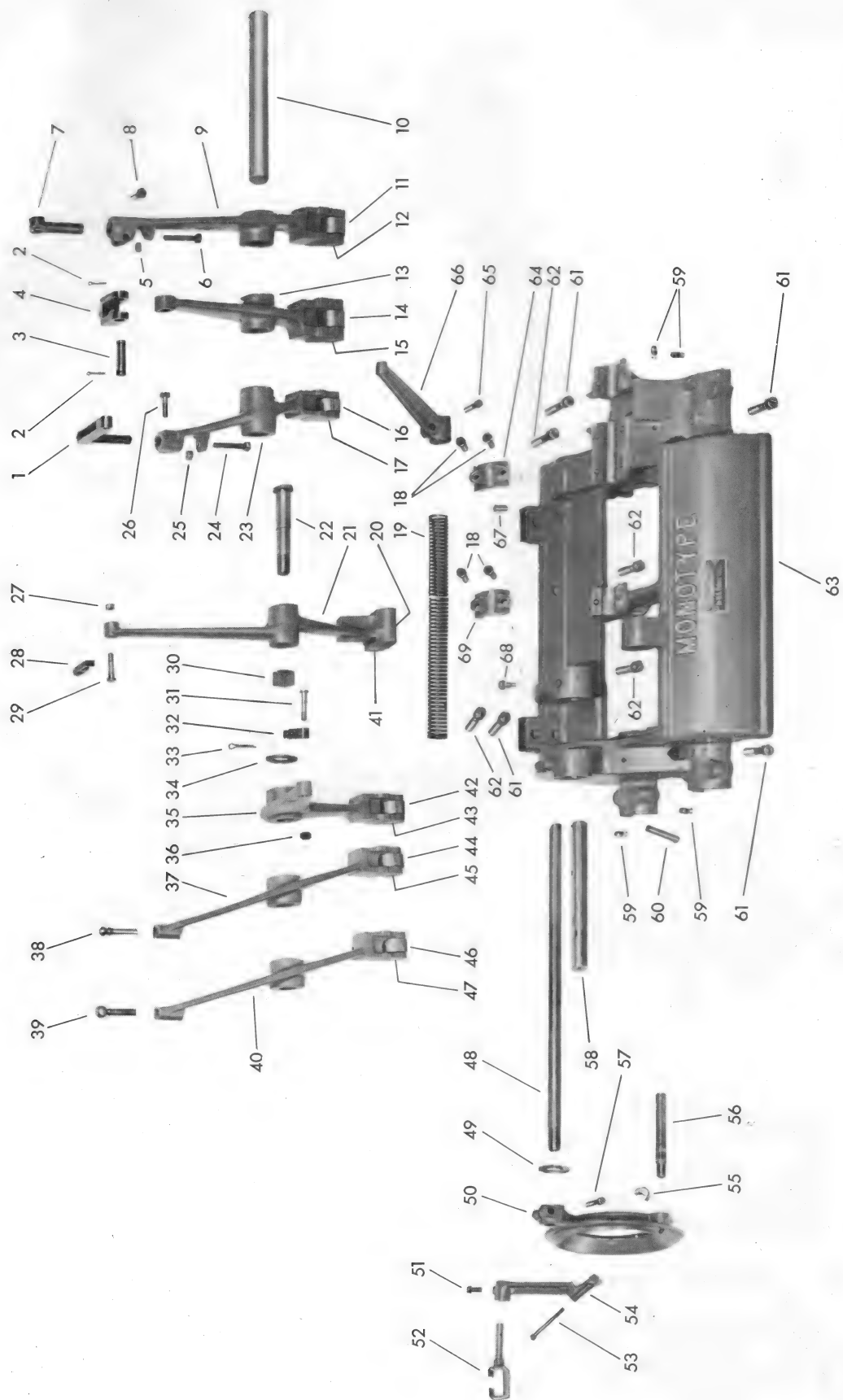
OIL PAN

Key	Symbol	Name
1	a114E1	OIL PAN
	a114E2	PARTITION (center)
	a114E3	PARTITION (rear)
	a114E4	Partition RIVET ($\frac{1}{8}$ " x $\frac{1}{8}$ ") (6)
	a114E5	Partition RIVET (flathead) (4)
	a114E6	SPOUT
	a114E7	Spout WASHER
	a114E8	PLATE
	a114E9	Plate RIVET #7230
2	116E1	Oil Pan Shelf Bracket BOLT (8) =2216
3	115E10	Link Fulcrum Stud NUT (4) =310
4	a115E11	Link Fulcrum Stud WASHER (4)
5	115E9	Link Fulcrum STUD (lower) (4)
6	a115E1	Oil Pan SHELF
	a115E4	HANDLE
	a115E5	Handle RIVET (4) #7177
	a115E6	LINK (4)
	a115E7	Link FULCRUM PIN (upper) (4)
	a115E8	Link Fulcrum Pin WASHER (4)
	a115E12	STOP PIN (2)
7	115E3	BRACKET (rear)
8	113E1	OIL GUARD
9	168E1	Cam Shaft Stand PACKING PIECE (2)
10	115E2	BRACKET (front)



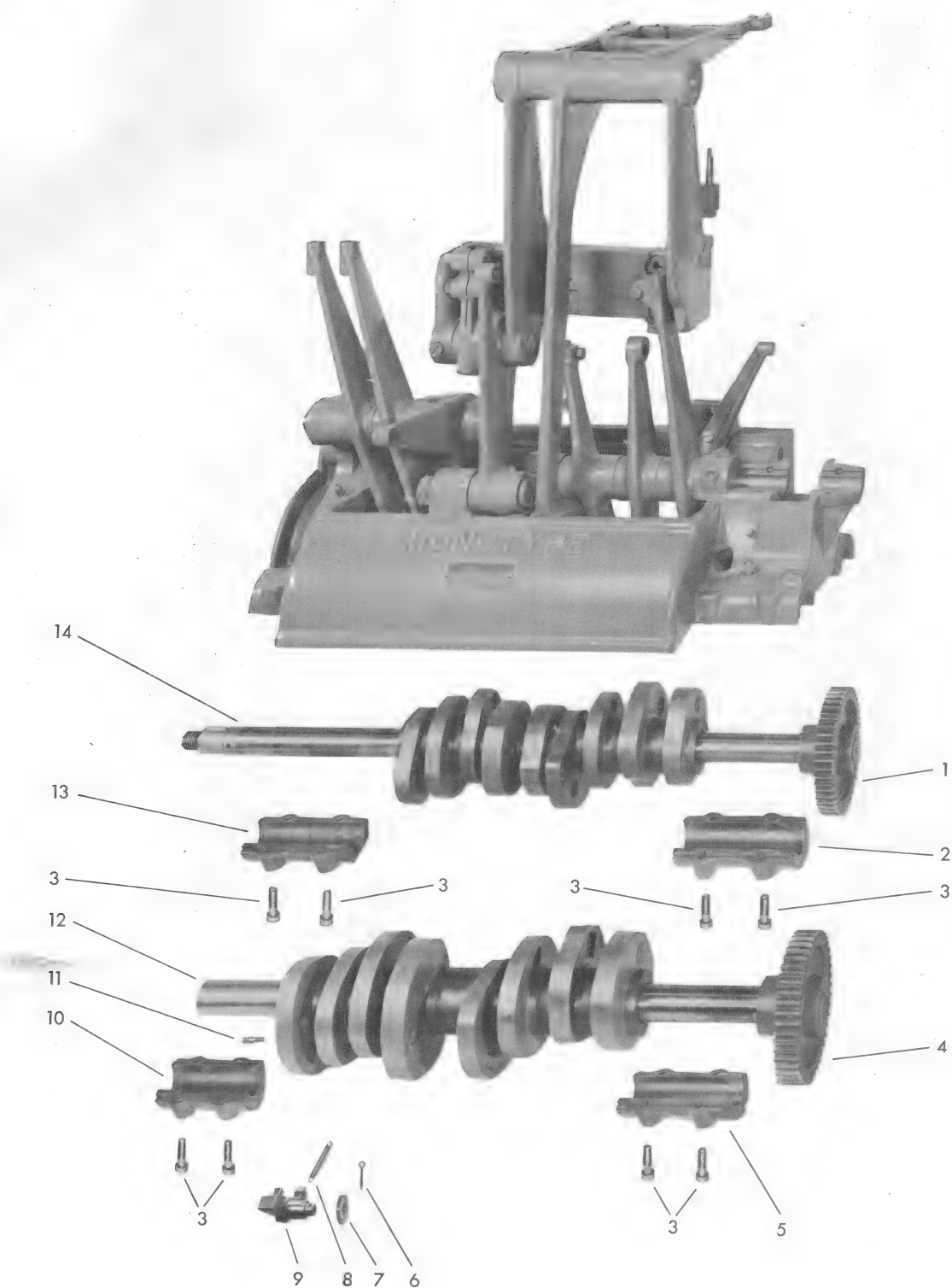
CAM SHAFT STAND, DRIVE PULLEYS, WORM SHAFT

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	19E1	SCREW (lower) #223
2	20E1	SCREW (2) #247
3	20E	GEAR VERNIER
4	19E	Gear COVER (front)
5	12E9	Cap SCREW (for 12E8) (4) #214
6	12E8	CAP (for a80E)
7	12E14	WINKLEY OILER (3)
8	19E2	SCREW (upper) #219
9	80E6	WORM
10	80E3	KEY (for worm)
11	a80E4	KEY (long, for 80E1 & 80E2)
12	a80E	Worm SHAFT
13	80E1	GEAR
14	a80E7	COLLAR
15	80E2	HAND WHEEL
16	80E5	NUT #329
17	10E4	NUT (for 64E) #332
18	64E	PULLEY (driving)
19	a65E	PULLEY (loose)
20	10E3	KEY (for 64E)



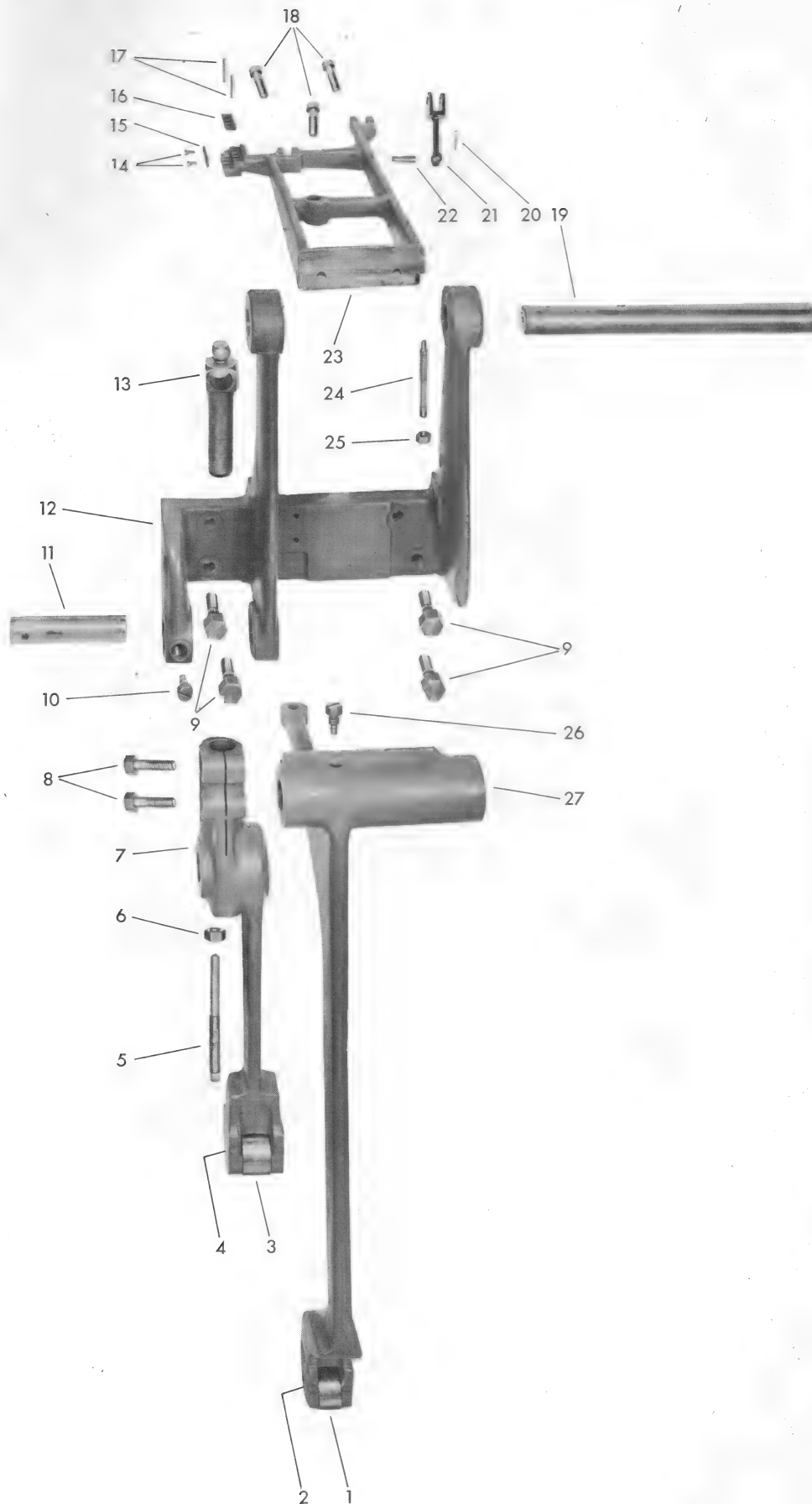
CAM SHAFT—7 LEVERS

Key	Symbol	Name	Key	Symbol	Name
1	59D1	Cam Lever EXTENSION	32	54E1	EYE (lower)
	59D4	Upper Connecting LINK (2)	33	8E1	COTTER #92
	59D5	Upper Connecting Link PIN (in 59D1)	34	8E3	WASHER #41
	59D6	Upper Connecting Link SEPARATING BLOCK	35	53E	Paper Tower Cam LEVER
	59D7	Upper Connecting Link Separating Block BUSHING	36	53E6	Stud NUT #314
	59D8	Upper Connecting Link Separating Block RIVET (2) #735	37	44E	Mold Blade Cam LEVER
2	68E6	Eye Pin COTTER (2) #91	38	44E1	EXTENSION
3	68E5	Eye PIN	39	76E1	BALL EXTENSION
4	68E1	EYE (left hand)	40	76E	Type Pusher Cam LEVER
5	72E6	Extension Adj. Bolt LOCK NUT #314	41	b34E6	Roller PIN
6	72E5	Extension ADJUSTING BOLT #18	42	53E3	ROLLER
7	a72E4	EXTENSION	43	53E4	Roller PIN
8	72E3	CLAMP BOLT #111	44	44E4	ROLLER
9	72E	Type Carrier Cam LEVER	45	44E5	Roller PIN
10	7E	Cam Lever SHAFT (front for 72E, 67E & 70E)	46	76E4	ROLLER
11	72E7	ROLLER	47	76E5	Roller PIN
12	72E8	Roller PIN	48	6E	Belt Shifter Ring ROD
13	67E	Pump Cam LEVER	49	6E1	FIBRE WASHER
14	67E3	ROLLER	50	5E	Belt SHIFTER RING
15	67E4	Roller PIN	51	3E1	SET SCREW #116
16	70E6	ROLLER	52	4E	Belt Shifter EYE
17	70E7	Roller PIN	53	3E3	Clamp BOLT #118
18	12E7	Cap SCREW (for 12E4 & 12E5) (4) #214	54	3E	Belt Shifter ARM (rear, carrying 4E)
19	6E2	SPRING #620	55	3E2	CLAMP
20	b34E3	ROLLER	56	5E2	Guide PIN
21	c34E	Locking Bar Cam LEVER	57	5E1	Clamp SCREW
22	a35E	Locking Bar Cam Lever FULCRUM STUD	58	8E	Cam Lever SHAFT (rear, for 53E, 44E & 76E)
23	70E	Transfer Wedge Cam LEVER	59	12E14	WINKLEY OILER (7)
24	70E4	Extension ADJUSTING BOLT #18	60	12E11	OIL PIPE (2)
25	70E5	Extension Adj. Bolt LOCK NUT #314	61	12E13	SCREW ($\frac{1}{16}$ " x $1\frac{3}{8}$ ") (4) #25
26	70E3	CLAMP BOLT #111	62	12E12	SCREW ($\frac{1}{16}$ " x $1\frac{3}{8}$ ") (4) #26
27	34E5	Stud NUT #314	63	a12E	Cam Shaft STAND
28	a33E5	HOOK		a12E18	REGISTER PLATE
29	34E4	STUD (for a33E5)		a12E19	Register Plate SCREW (2) #2279
30	a35E1	NUT #330	64	12E4	CAP (front, for 7E)
31	53E5	STUD (for 54E1)	65	2E1	Clamp SCREW #213
			66	2E	Belt Shifter ARM (front)
			67	12E6	Cap PIN (in 12E4)
			68	8E2	SET SCREW
			69	12E5	CAP (rear, for 7E)



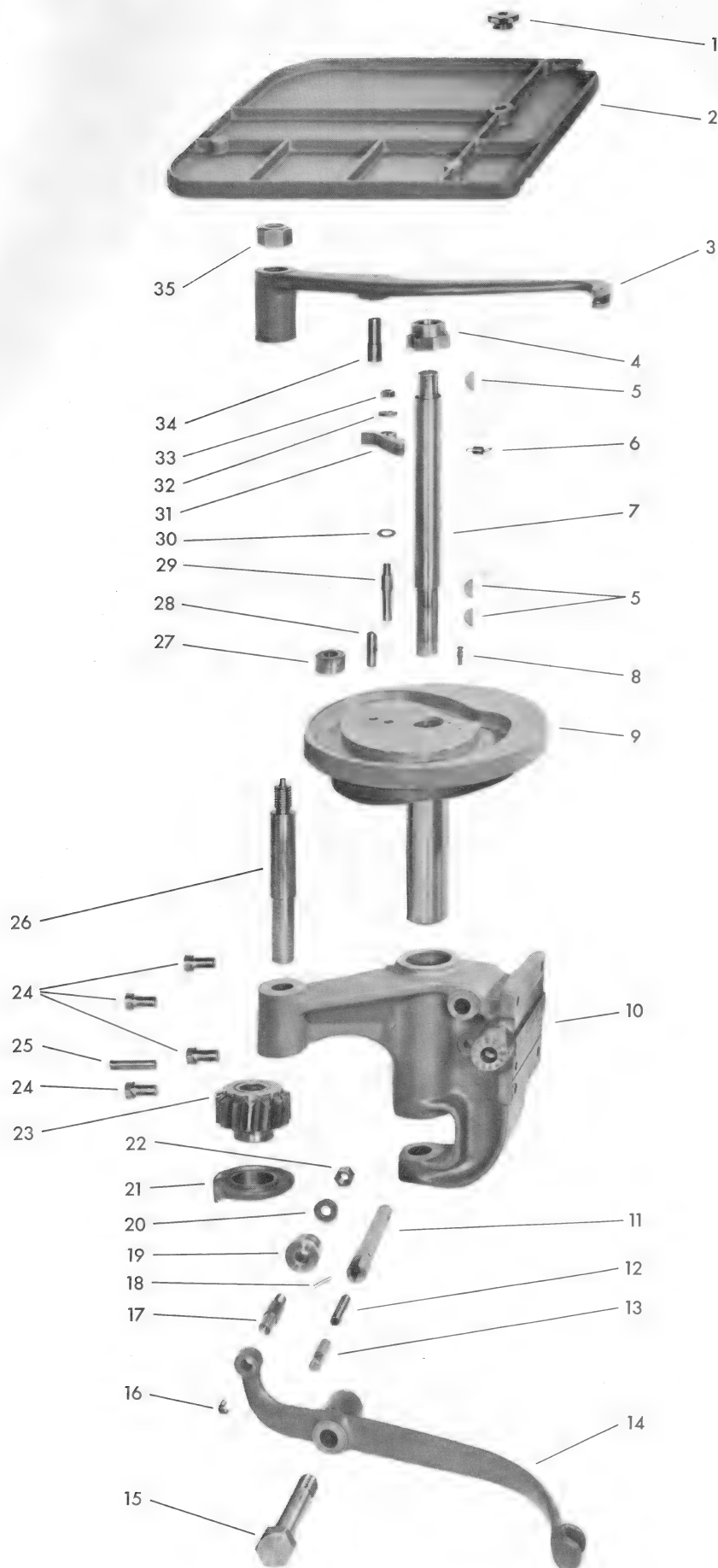
CAM SHAFT CAMS

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	10E5	GEAR (graduated)
2	12E1	CAP (front, right)
3	12E3	Cap SCREW (for 12E1, 12E2, a12E15 & a12E16) (8) #27
4	11E3	GEAR
5	a12E16	CAP (front, left)
6	a75E3	Latch COTTER #94
7	a75E5	Latch WASHER #46
8	a75E4	Latch SPRING #6122
9	b75E2	LATCH
10	12E2	CAP (rear, left)
11	a75E6	Latch Spring PIN #854
12	11E	CAM SHAFT (driven)
	11E1	Cam KEY
	11E2	DISTANCE RING
	11E4	Gear KEY
13	a12E15	CAP (rear, right)
14	10E	CAM SHAFT (driving)
	10E1	Cam KEY
	10E3	KEY (for 64E)
	10E4	NUT (for 64E) #332
	10E6	Gear KEY



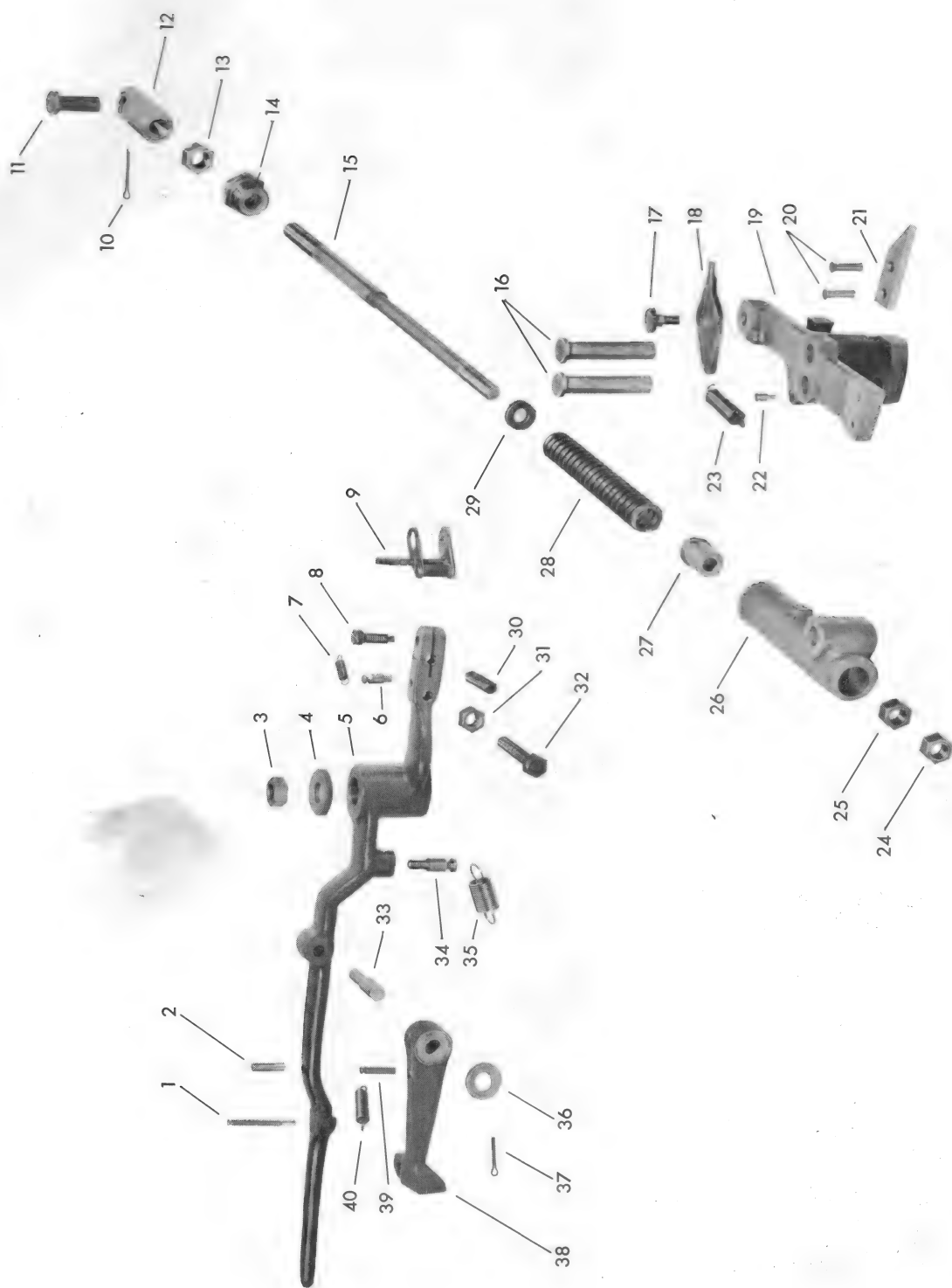
CENTERING PIN CAM LEVER

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	14E3	ROLLER
2	14E4	Roller PIN
3	24E5	ROLLER
4	24E6	Roller PIN
5	a24E7	ADJUSTING SCREW (for a26E1)
6	a24E8	Adjusting Screw LOCK NUT =320
7	a24E	Jaw Tongs Cam LEVER
8	24E2	CLAMP BOLT (for a26E1) 2 =15
9	9E1	BOLT (4) #14
10	25E1	SET SCREW
11	25E	Jaw Tongs Cam Lever SHAFT
12	a9E	Cam Lever Shaft STAND (for a14E & a24E)
13	a26E1	BALL EXTENSION
14	16E3	Plate SCREW (2) #241
15	16E2	PLATE (for 15D3 & 57D4)
16	a16E6	PLATE (for 15D1 & 57D1)
17	a16E7	Plate RIVET (2) #7162
18	16E1	SCREW (to a14E) (3) #27
19	15E	Centering Pin Cam Lever SHAFT
20	16E5	Stud COTTER #95
21	2A1	CONNECTING LINK
22	16E4	STUD (for 2A1)
23	a16E	Centering Pin LEVER
24	59E	Pin Jaw Tongs Spring Bell Crank STUD
25	59E1	NUT (lower) #314
26	14E5	SET SCREW
27	a14E	Centering Pin Cam LEVER



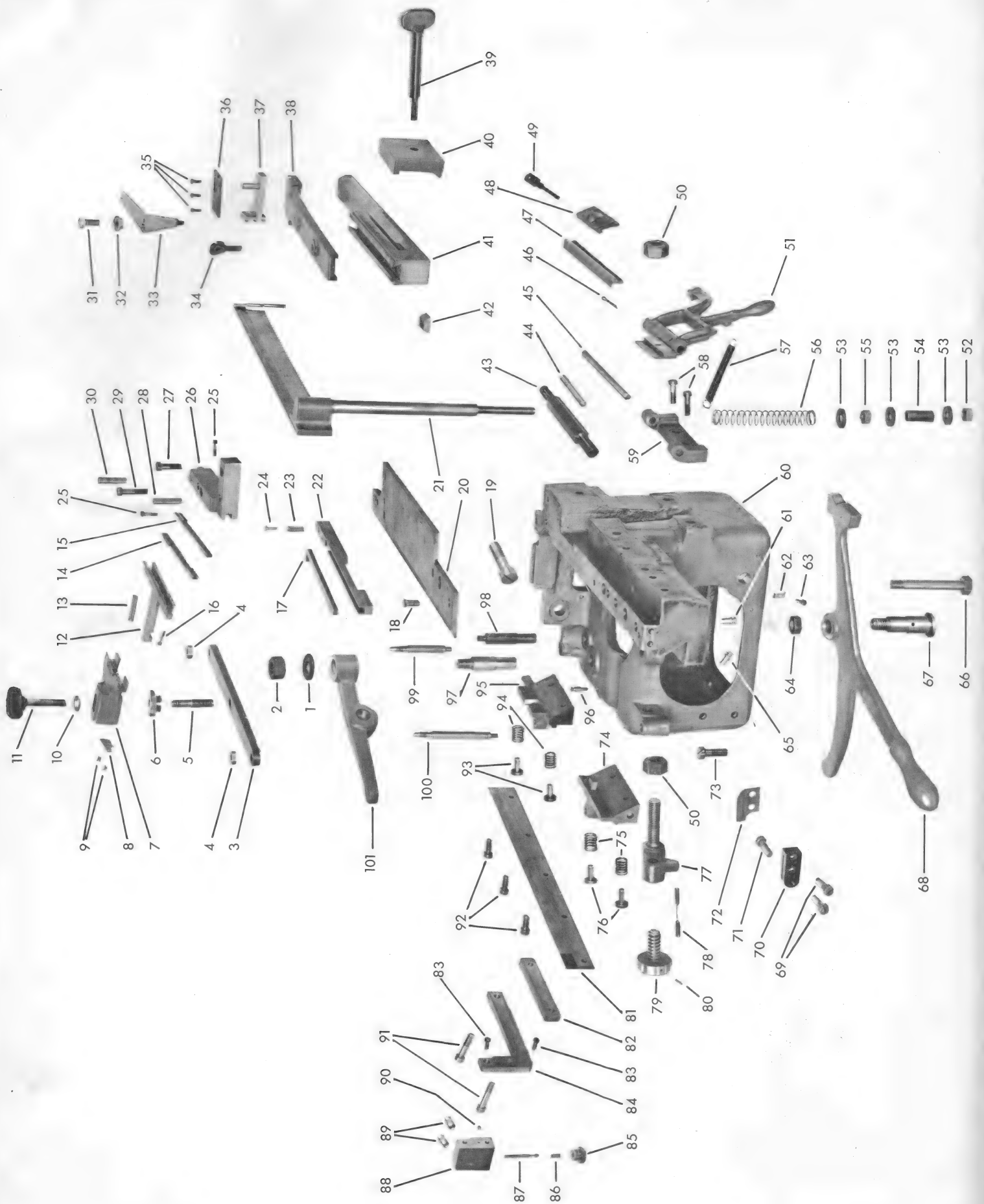
GALLEY CAM STAND & TRAY

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	43F5	Stud NUT (knurled)
2	42F	SORT TRAY
3	25F	Line Hook Operating Slide LEVER
4	15F2	RATCHET
5	15F1	KEY (3)
6	14F5	Driving Pawl SPRING =646
7	15F	Galley Cam SHAFT
8	14F6	Driving Pawl Spring POST (in b14F) #880
9	b14F	Galley CAM
	14F8	SLEEVE
10	16F	Galley Cam STAND
11	37F	Operating Lever SPRING BOX
12	37F3	SPRING #638
13	37F1	PLUNGER
14	a40F	RULE LEVER
15	41F	Rule Lever STUD
16	40F2	Cam Roller OIL PIPE
17	40F3	Cam Roller PIN
18	37F2	Plunger STOP PIN =58
19	40F1	Cam ROLLER
20	40F5	Cam Roller Pin WASHER #49
21	a15F4	Worm Wheel PAN OIL
22	40F4	Cam Roller Pin NUT #319
23	15F3	WORM WHEEL
24	16F2	SCREW (4) #29
25	16F1	DOWEL #53
26	26F	Line Hook Operating Slide Lever STUD
27	25F1	Cam ROLLER
28	14F7	Driving Pawl STOP PIN (in b14F)
29	a14F3	Driving Pawl FULCRUM STUD
30	14F4	Driving Pawl Fulcrum Stud WASHER (lower) #47
31	14F1	DRIVING PAWL
	14F2	Driving Pawl PIN (for 14F5) #721
32	a14F9	Driving Pawl Fulcrum Stud WASHER (upper) #410
33	a14F10	Driving Pawl Fulcrum Stud NUT #314
34	25F2	Cam Roller PIN
35	26F1	NUT #329



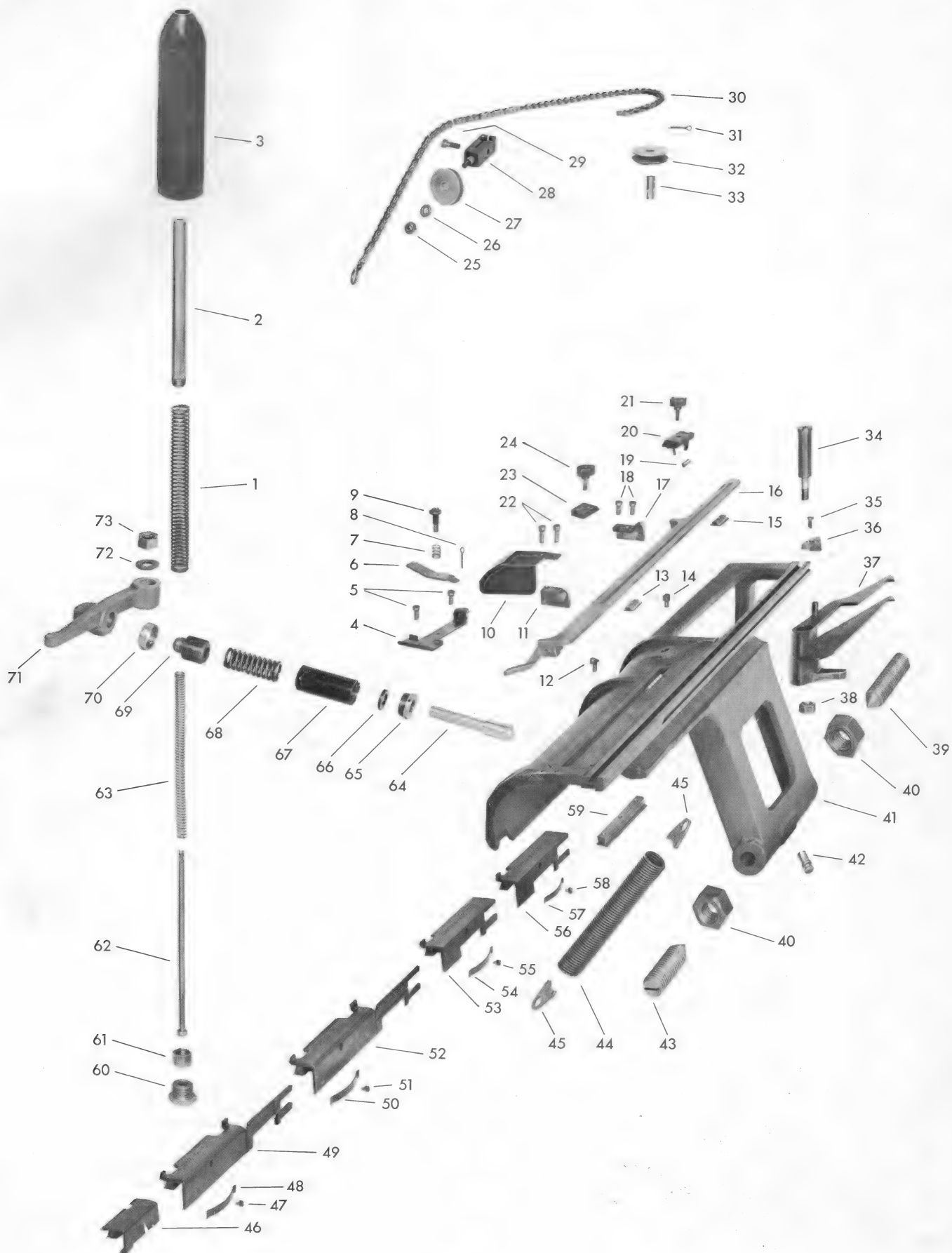
GALLEY TRIP LEVER, LINE HOOK LATCH

Key	Symbol	Name
1	a45F11	SPRING POST (for a45F13) =876
2	a45F4	Latch GUIDE PIN
3	a46F1	NUT #314
4	a46F2	WASHER #410
5	c45F	TRIP LEVER
6	a45F19	SPRING POST (for a45F17) =868
7	a45F17	Distance Pin SPRING #6132
8	a45F2	Adjusting Screw CLAMP SCREW
9	a45F14	DISTANCE PIN
	a45F15	Distance Pin PLATE (lower)
	a45F16	Distance Pin PLATE (upper)
	a45F18	Distance Pin SPRING POST #884
10	a33F8	COTTER #95
11	27F1	PIN (in 25FF)
12	27F10	Rod EYE
13	27F11	Rod Eye LOCK NUT #316
14	27F3	PLUG (rear)
15	27F7	ROD
16	a53F12	Frame FULCRUM PIN (2)
17	a53F8	STUD (in c53F1)
18	a53F	Line Hook Operating Slide LATCH
19	c53F1	FRAME
20	a53F14	Frame Extension RIVET (2) #7173
21	a53F13	Frame EXTENSION
22	a53F6	Frame Spring PIN #854
23	a53F9	SPRING #6111
24	27F9	Rod Adjusting Nut LOCK NUT #312
25	27F8	Rod ADJUSTING NUT #310
26	a27F	Line Hook Operating Slide SPRING BOX
27	27F5	Spring ABUTMENT (front)
28	27F4	SPRING #626
29	27F6	Spring ABUTMENT (rear) #415
30	45F1	ADJUSTING SCREW #255
31	45F10	Stop Screw LOCK NUT #310
32	45F9	STOP SCREW #119
33	45F5	Latch STUD
34	45F8	SPRING POST (for 47F) #834
35	47F	Trip Lever SPRING #622
36	45F7	Latch Stud WASHER #412
37	45F6	Latch Stud COTTER #94
38	a45F3	LATCH
39	a45F12	Latch SPRING POST #866
40	a45F13	Latch SPRING #6122



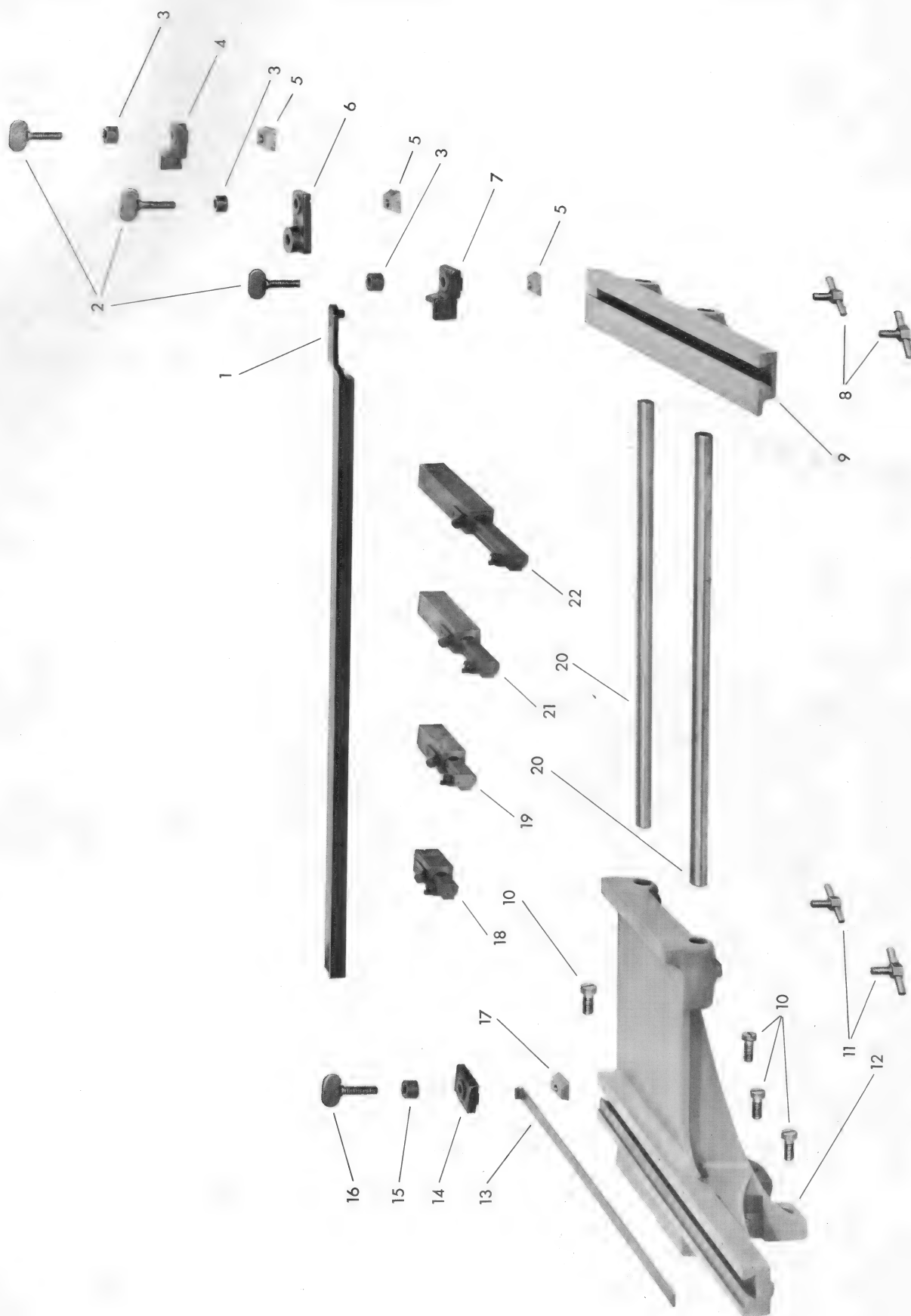
MAIN GALLEY

Key	Symbol	Name	Key	Symbol	Name
1	6F2	WASHER #45	50	3F3	Stud NUT (2) #327
2	6F1	NUT #327	51	a33F	Operating Lever LATCH
3	43F	Sort Tray SUPPORT BAR	52	39F5	Lifting Rod Adjusting Nut LOCK NUT #315
4	43F3	Stud NUT (2) #314	53	39F10	Lifting Rod WASHER (3) #410
5	43F4	STUD (for 42F)	54	39F6	Lifting Rod SLEEVE
6	43F5	Stud NUT (knurled)	55	39F4	Lifting Rod ADJUSTING NUT #314
7	50F	Type Channel BLOCK (adjustable)	56	39F7	Lifting Rod SPRING #649
8	50F9	STOP PLATE (for 50F5)	57	34F	Operating Lever Latch SPRING #623
9	50F10	Stop Plate SCREW (2) #250	58	36F1	BOLT (2) #113
10	50F7	Wing Bolt WASHER #412	59	a36F	Operating Lever Latch STAND
11	a50F6	WING BOLT	60	a31F	Main Galley STAND
12	a50F1	CLAMP	61	35F	Operating Lever Latch SPRING POST (in a34F) #834
	50F5	Clamp TONGUE	62	280E16	CLAMP
	50F8	Clamp Tongue RIVET (3) #721	63	280E17	Clamp SCREW #246
13	50F4	Clamp SPRING #650	64	38F1	NUT #322
14	a50F2	Clamp LATCH	65	31F5	SPRING POST (for 7F) #831
15	a51F3	LATCH	66	a49F2	BOLT #131
16	a50F13	Clamp Latch SCREW #249	67	38F	Operating Lever STUD
17	a21F3	LOCKING ROD	68	a32F	OPERATING LEVER
18	49F1	SCREW #229	69	22F2	SCREW (2) #223
19	31F2	SCREW ($\frac{1}{2}$ " x $1\frac{1}{8}$ ") #22	70	22F	Line Hook Operating Bar STOP
20	a49F	Type Channel PLATE	71	a22F1	ADJUSTING SCREW
21	a39F	RULE	72	55F1	Line Support Pusher CATCH PLATE
	39F1	GUIDE PIN	73	31F4	SCREW ($\frac{3}{8}$ " x $1\frac{1}{8}$ ") #28
	39F2	Guide Pin RIVET (2) #725	74	c23F	Line Hook OPERATING SLIDE
	39F3	LIFTING ROD		a23F7	PIN (for operating bar)
	39F8	Lifting Rod SUPPORT	75	a23F13	Friction Plunger SPRING (2) #625
	39F9	Lifting Rod Support RIVET (4) #7163	76	a23F12	FRICITION PLUNGER (2)
22	a21F	Line Hook OPERATING BAR	77	3F	Column Pusher Adjusting Screw STAND
23	21F2	Friction Plunger SPRING #629		3F2	STUD
24	21F1	FRICITION PLUNGER	78	3F1	SPRING
25	a51F9	Latch SCREW #2204	79	2F	Column Pusher ADJUSTING SCREW (for varying point size)
26	a51F	Type Channel BLOCK (fixed)		2F1	DISC
27	51F5	SCREW ($\frac{1}{4}$ " x $1\frac{1}{8}$ ") #220	80	2F2	Disc PIN #743
28	51F1	DOWEL (No. 5 x $1\frac{1}{2}$ ") (front) #55	81	a24F	Line Hook Operating Slide SHOE
29	51F6	SCREW ($\frac{1}{4}$ " x $1\frac{3}{8}$ ") #226	82	220F4	Body Bracket PACKING PIECE
30	51F2	DOWEL (No. 5 x $1\frac{1}{4}$ ") (rear) #56	83	220F8	Body SCREW (2) #236
31	b44F10	Lever BOLT #132	84	220F3	Body BRACKET
32	44F12	Lever BUSHING	85	220F6	Body PLUG (large)
33	a44F9	LEVER	86	220F10	SPRING
	44F14	Lever PIN	87	220F1	VALVE (repeater release)
34	a44F16	Adjusting Stand BOLT	88	220F2	BODY
35	44F8	Adjusting Stand Plate SCREW (3) #247		220F9	BUSHING
36	44F7	Adjusting Stand PLATE	89	220F11	Body CONNECTOR (for pipe) (2)
37	a44F	STOP SLIDE (for long and short lines)	90	220F7	Body PLUG (small) #2371
	44F15	PIN	91	220F5	Body Bracket SCREW (to galley stand) (2)
38	a44F1	ADJUSTING STAND (for column width)	92	24F1	SCREW (3)
39	a44F4	Adjusting Stand Guide Bar Clamp WING BOLT	93	20F1	FRICITION PLUNGER (2)
40	44F3	Adjusting Stand Guide Bar CLAMP	94	20F2	Friction Plunger SPRING (2) #625
41	a44F2	Adjusting Stand GUIDE BAR (for adjusting column width)	95	20F	Line Hook CARRIAGE
	a44F17	Adjusting Stand Guide Bar STOP PIN	96	48F	Trip Lever SPRING POST (in a31F) #834
42	44F11	Adjusting Stand Bolt BEVEL NUT	97	6F	Column Pusher Lever STAND
43	a31F7	STUD (stop for a35H12)	98	a46F	Trip Lever FULCRUM STUD
44	a31F1	DOWEL #531	99	43F2	STUD (short)
45	a33F7	SHAFT	100	43F1	STUD (long)
46	a33F8	Shaft COTTER (2) #95	101	5F	Column Pusher LEVER
47	a33F1	BAR (for a44F9F)			
48	a33F2	Bar CLAMP			
49	a33F3	Bar Clamp SCREW (knurled)			



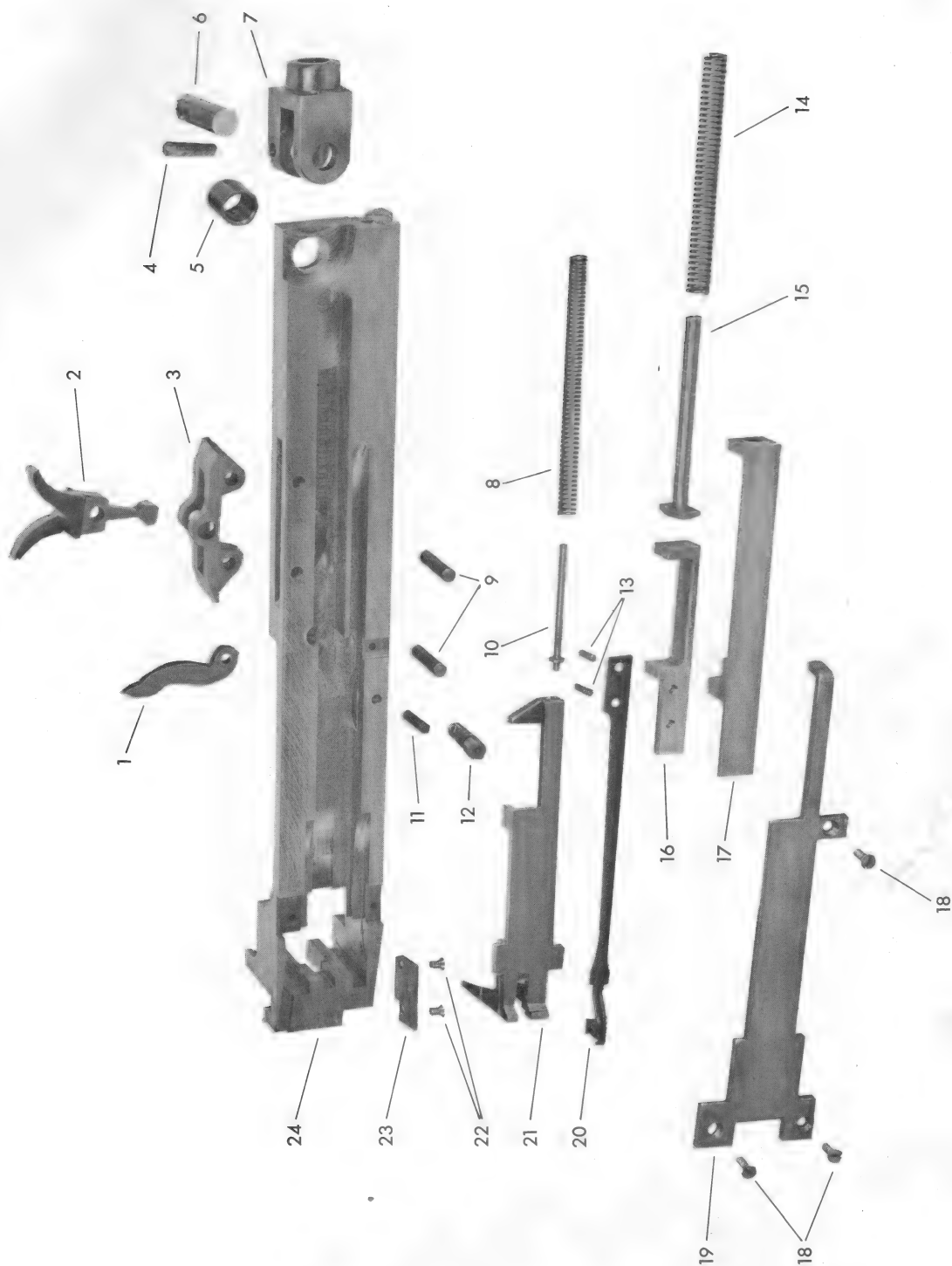
COLUMN PUSHER

Key	Symbol	Name	Key	Symbol	Name
1	a66F6	SPRING (outer) #6146	39	4F1	Column Pusher FULCRUM SCREW (short)
2	66F7	TUBE	40	4F2	LOCK NUT (2) #329
	66F8	Tube BUSHING	41	189F1	COLUMN PUSHER
3	66F1	WEIGHT	42	189F6	SPRING POST #831
4	217F3	SLIDE	43	a4F3	Column Pusher FULCRUM SCREW (long)
5	217F5	Slide SCREW (2) #2251	44	7F	Column Pusher SPRING #624
6	217F1	Line Support Pusher CATCH	45	7F1	PLATE (2)
7	217F6	Slide SPRING #6293	46	196F1	Line Support PUSHER
8	a212F3	COTTER #97		196F2	GUIDE
9	217F2	SCREW		196F3	Guide RIVET #7192
10	219F10	Valve Tappet COVER	47	194F7	Spring SCREW #254
11	219F3	Hinge BRACKET	48	194F6	SPRING
	219F4	Hinge Bracket PIN	49	194F1	LINE SUPPORT (thick) (9 to 12 pt.) (9 to 24 picas)
12	189F4	Release PIN		194F2	FACING
13	218F10	Carriage Gage Clamp Screw NUT		194F4	GUIDE
14	189F7	Stop PIN		194F5	Guide RIVET (2) #7192
15	218F4	Carriage Clamp Screw NUT	50	192F4	SPRING
16	219F1	TRIP GAGE BAR	51	192F5	Spring SCREW #254
	219F2	HINGE (front)	52	192F1	LINE SUPPORT (thin) (5 to 8 pt.) (9 to 24 picas)
	219F6	Hinge RIVET (2) #7226		192F2	GUIDE
	219F7	HINGE (rear)		192F3	Guide RIVET (2) #7192
	219F12	Hinge RIVET (2) #7226	53	195F1	LINE SUPPORT (thick) (9 to 12 pt.) (23 to 60 picas)
17	219F8	Hinge BRACKET		195F2	GUIDE
	219F11	Hinge Bracket PIN		195F3	Guide RIVET (2) #7192
18	219F9	Hinge Bracket SCREW (2) #247	54	195F4	SPRING
19	218F6	SPRING	55	195F5	Spring SCREW #254
20	218F2	CARRIAGE	56	193F1	LINE SUPPORT (thin) (5 to 8 pt.) (23 to 60 picas)
	218F1	TRIP (repeater)		193F2	GUIDE
	218F5	PIN #7224		193F3	Guide RIVET (2) #7192
	218F7	SPRING POST #8357	57	193F4	SPRING
21	218F3	Carriage Clamp SCREW	58	193F5	Spring SCREW #254
22	219F5	Hinge Bracket SCREW (2) #246	59	217F4	SLIDE GUIDE
23	218F8	Carriage GAGE	60	66F2	PLUG
24	218F9	Carriage Gage Clamp SCREW	61	66F9	Tube CAP
25	131F4	Support NUT #35	62	66F3	ROD
26	131F5	Support WASHER #420		66F4	Rod WASHER
27	a131F1	Weight Chain SHEAVE	63	66F5	SPRING (inner) #6147
28	131F2	SUPPORT	64	8F3	BALL PLUNGER
29	131F3	Support Clamp SCREW #233	65	8F5	PLUG
30	b212F1	LINE SUPPORT CHAIN	66	8F4	Ball Plunger WASHER #46
31	189F9	Stud COTTER #95	67	8F	Column Pusher SPRING BOX
32	189F5	SHEAVE	68	8F6	SPRING #627
33	189F8	STUD	69	8F1	Adjusting Ball PLUG
34	191F1	Line Hook STUD	70	8F2	Adjusting Ball Plug LOCK NUT
35	189F3	Line Support Stop SCREW #253	71	5F	Column Pusher LEVER
36	189F2	Line Support STOP	72	6F2	WASHER
37	190F2	LINE HOOK (upper)	73	6F1	NUT
	190F1	LINE HOOK (lower)			
	190F3	KNOB			
	190F4	LEVER			
	190F5	RIVET (2) #7164			
	190F6	SEPARATOR			
38	191F2	Line Hook Stud NUT #310			



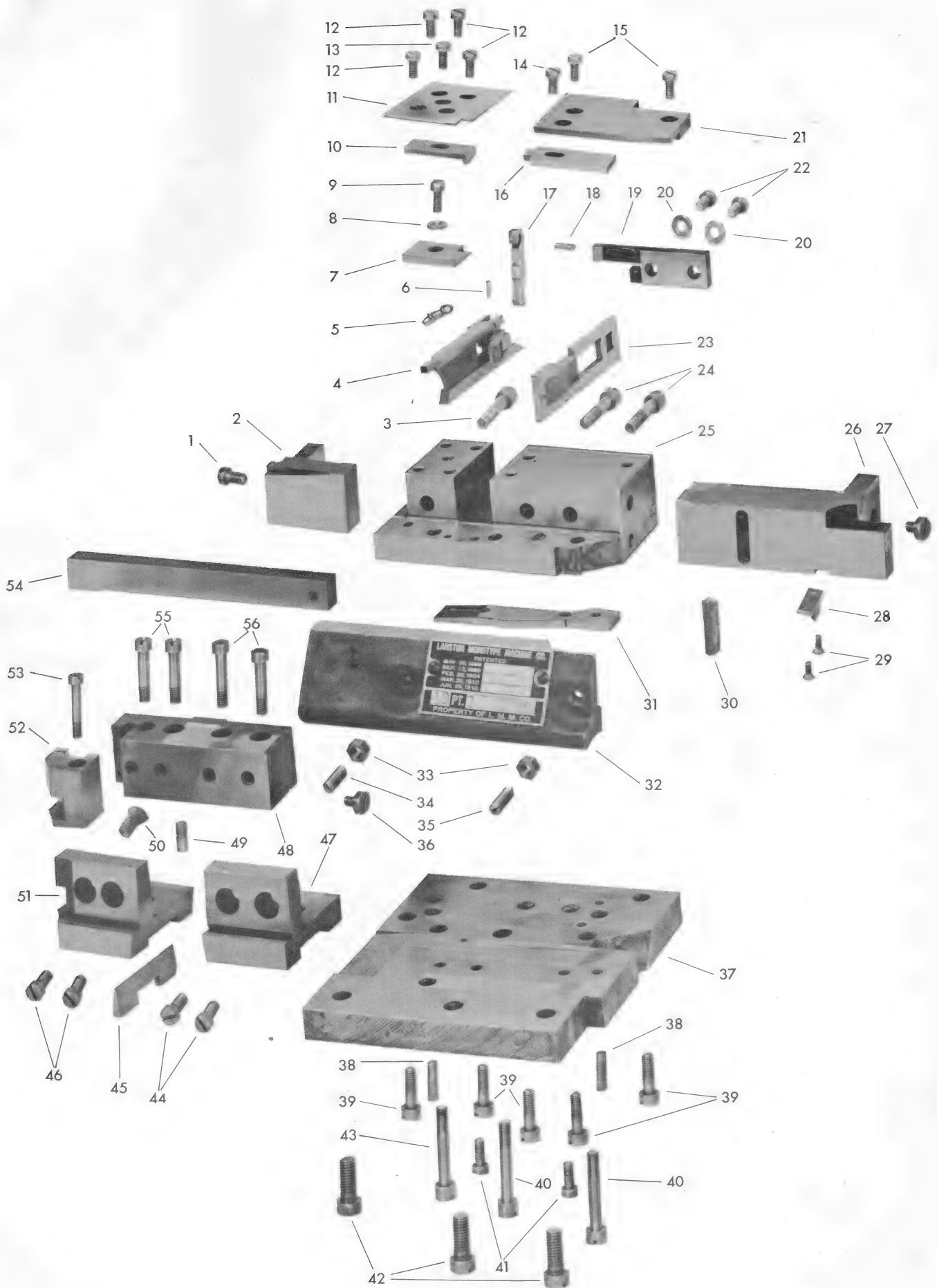
GALLEY PAN SHELF

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	13F	GALLEY BAR
	13F3	PIN
2	a18F3	Bevel Nut WING BOLT (3)
3	a18F8	Bevel Nut Wing BOLT WASHER (3)
4	18F5	CORNER BLOCK (rear, for Galley Pan)
5	18F2	BEVEL NUT (3)
6	18F4	BLOCK (for 13F)
7	18F6	CORNER BLOCK (front, for Galley Pan)
8	c18F7	WING BOLT (2)
	a18F9	Wing Bolt PIN (2)
9	a18F	Galley Pan SUPPORT
10	17F5	SCREW (4) #29
11	b17F6	WING BOLT (2)
	a17F9	Wing Bolt PIN (2)
12	a17F	Galley Pan SHELF
13	a17F1	ADJUSTING BAR (for Galley Pan)
14	17F2	Adjusting Bar CLAMP
15	a17F7	Adjusting Bar Clamp Wing Bolt WASHER
16	a17F4	Adjusting Bar Clamp WING BOLT
17	17F3	Adjusting Bar Clamp BEVEL NUT
18	9F1F	COLUMN SUPPORT (short)
19	10F1F	COLUMN SUPPORT (medium)
20	a18F1	BAR (2)
21	11F1F	COLUMN SUPPORT (long)
22	12F1F	COLUMN SUPPORT (extra long)



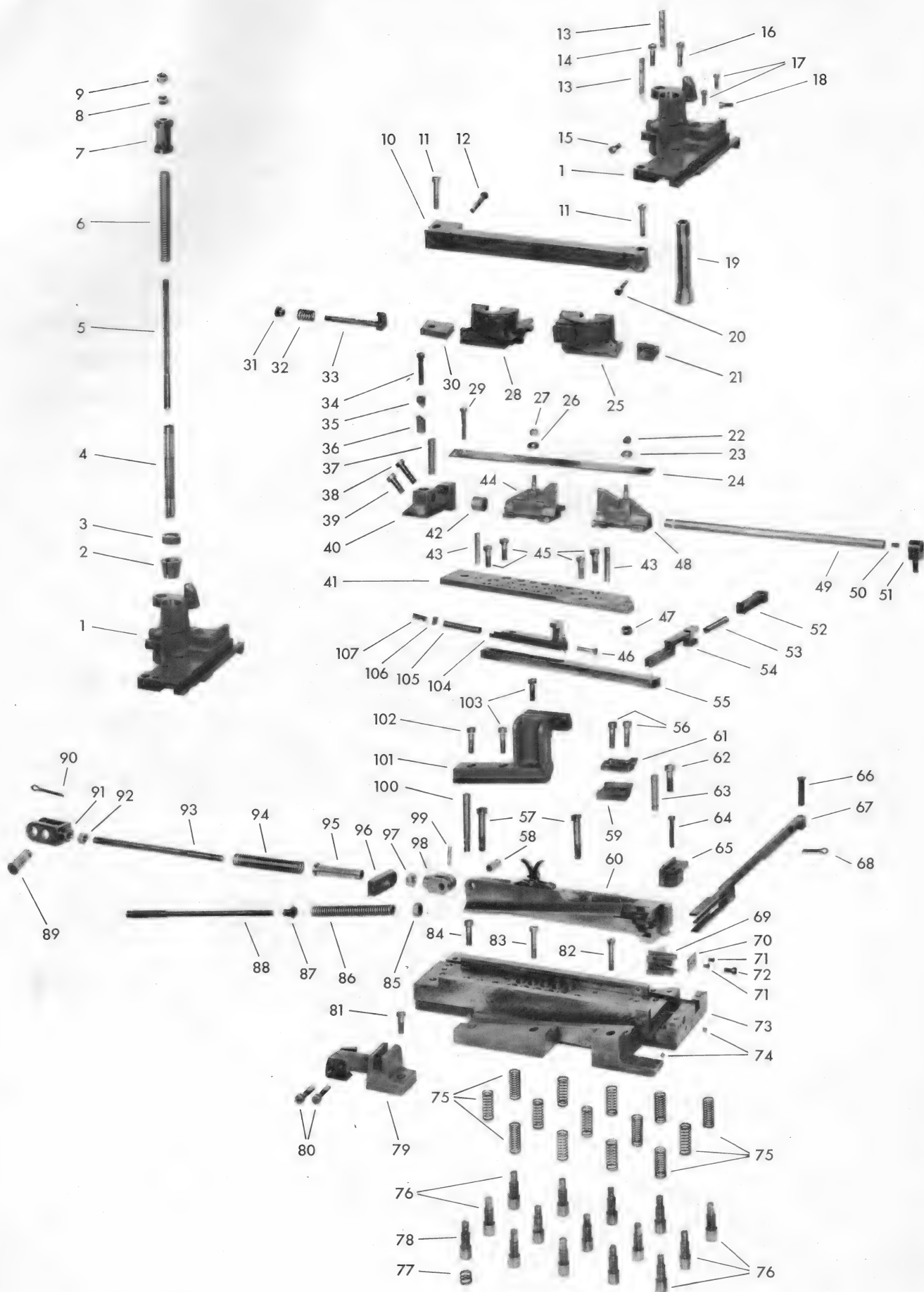
TYPE CARRIER

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	a20B11	LEVER (for d26B)
2	d20B3	LEVER (for b31B)
3	b20B1	Lever STAND
4	21B4	Forked Eye DOWEL =58
5	a20B10	BUSHING #458
6	21B3	Forked Eye PIN
7	21B1	FORKED EYE (carrier end)
8	a26B2	SPRING #6109
9	a20B2	Lever Stand RIVET (2) =7104
10	b26B1	EXTENSION
11	a20B12	Lever PIN #7161
12	b20B4	Lever PIN
13	a31B2	Bar RIVET (2) =7208
14	a31B6	Bar SPRING =6110
15	a31B7	Bar EXTENSION
16	f31B1	BAR
17	c31B4	Bar YOKE
18	a27B1	SCREW (3) =260
19	c27B	Type Clamp SHOE
20	b31B	Type Support SPRING
21	d26B	TYPE CLAMP
22	20B6	Shield SCREW (2) #252
23	a20B5	SHIELD
24	d20B	TYPE CARRIER



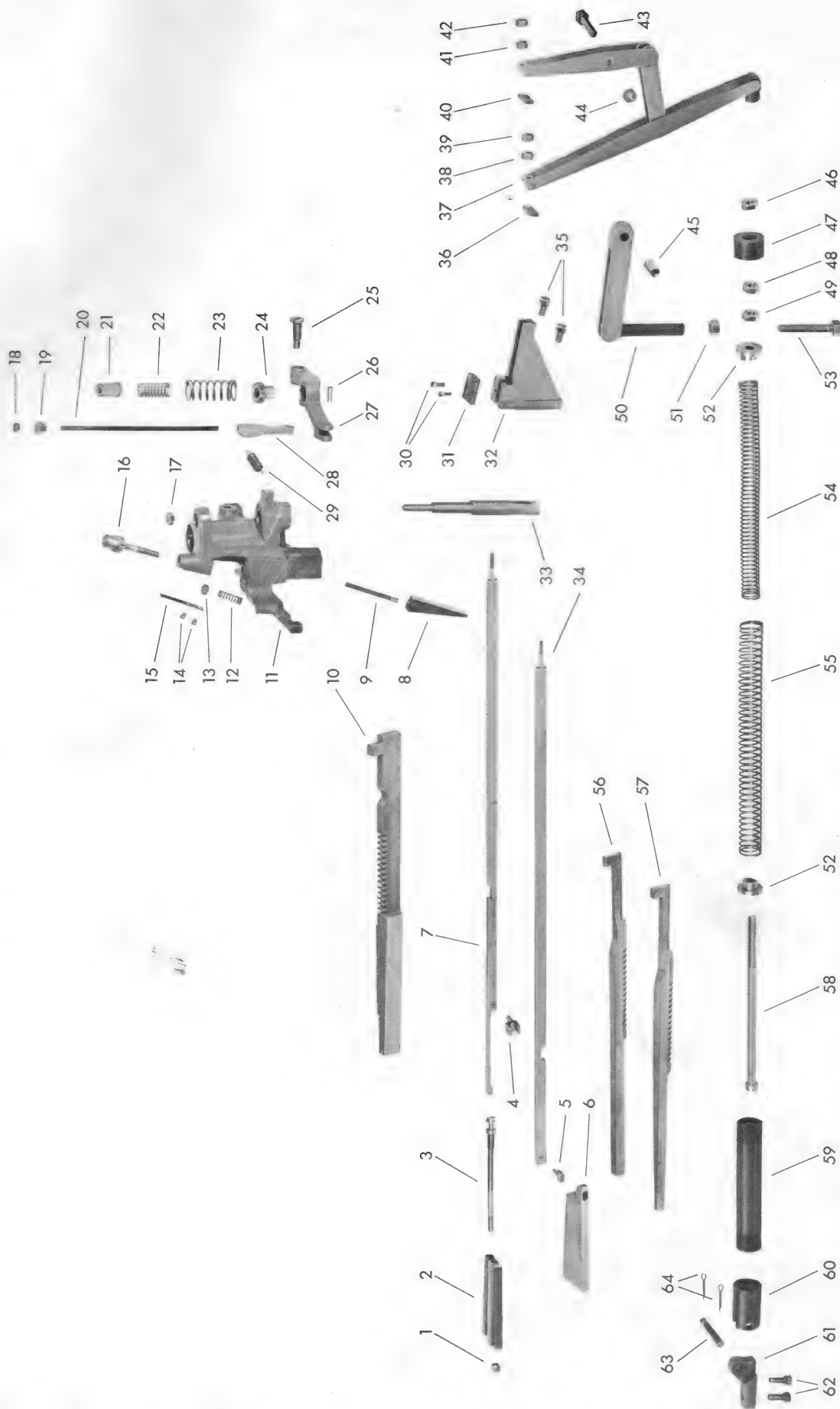
3E MOLD

Key	Symbol	Name	Key	Symbol	Name
1	2MD3E32	SCREW (right, to 9MD3E1) #237	27	1MD3E8	PLUG SCREW (brass) #2239
2	a2MD3E1	TYPE BLOCK (left)	28	1MD3E13	SCREW (right, to 9MD3E1) #237
	2MD3E6	PLUG SCREW #2239	29	6MD3E1	Type Block Gate KNOCK OFF
3	2MD3E9	SCREW (rear, from 9MC3E1) #2229	30	6MD3E2	SCREW (2) #260
4	2MC3E1	MOLD BLADE (upper)	31	1MD3E5	OIL PAD (felt)
	2MC3E2	CARRIER	32	6MA3E1	Base Plate Gate Pusher CAM
	2MC3E4	Carrier Spring PIN #895		2MA3E1	Base Plate FRONT ABUTMENT
	2MC3E5	Carrier LATCH		3MA3E1	NUMBER PLATE
	2MC3E15	Carrier PIN (stop for 2MC3E5)		3MA3E2	SCREW (2) #251
5	2MC3E7	Carrier Latch SPRING #6213	33	2MA3E4	Adjusting Screw LOCK NUT (2) #386
	2MC3E14	Carrier Latch Spring EYE (2)	34	2MA3E2	ADJUSTING SCREW (left, blunt) #2226
6	2MC3E6	Carrier Latch FULCRUM PIN	35	2MA3E3	ADJUSTING SCREW (right, pointed) #2227
7	3MC3E1	Mold Blade Carrier GUIDE BLOCK	36	1MB3E5	SCREW (to adjust 2MB3E1) #2167
8	3MC3E3	Screw WASHER #440	37	1MA3E1	BASE PLATE
9	3MC3E2	SCREW #2166	38	6MA3E3	DOWEL (2) #7104
10	18MC3E1	Mold Blade GUIDE (left)	39	9MD3E8	SCREW (to 1MA3E1) (5) #2161
11	10MC3E1	Mold Blade SHOE (for 2MC3E1)	40	1MD3E11	SCREW (bottom, from 1MA3E1) (2) #2230
12	10MC3E2	SCREW (4) #2208	41	6MA3E2	SCREW (2) #2166
13	18MC3E2	SCREW #2208	42	2MA3E5	SCREW (3) #223
14	9MC3E2	SCREW #2208	43	2MD3E7	SCREW (bottom, from 1MA3E1) #2230
15	8MC3E2	SCREW (2) #2208	44	2MB3E2	SCREW (front) (2) #236
16	9MC3E1	Mold Blade SHOE (for 1MC3E1)	45	4MB3E1	Cross Block GATE PUSHER
17	2MC3E12	Carrier LEVER	46	3MB3E3	SCREW (front) (2) #236
18	2MC3E13	Carrier Lever FULCRUM PIN	47	2MB3E1	Cross Block GATE BLOCK (right)
19	7MC3E1	Mold Blade STOP	48	1MB3E1	CROSS BLOCK
20	7MC3E4	Screw WASHER (2) #440	49	1MB3E4	DOWEL (to 3MB3E1)
21	8MC3E1	Mold Blade TOP GUIDE	50	3MB3E2	OIL PAD (felt)
22	7MC3E3	SCREW (2) #2166	51	3MB3E1	Cross Block GATE BLOCK (left)
23	1MC3E1	MOLD BLADE (lower)	52	1MB3E2	COUPLING
24	1MD3E12	SCREW (rear, from 9MD3E1) (2) #2229	53	1MB3E3	Coupling SCREW #2165
25	9MD3E1	Type Block SQUARING PLATE	54	5MA3E1	Base Plate Front Abutment SHOE
	9MD3E6	PLUG SCREW (3) #2235	55	3MB3E4	SCREW (top) (2) #2228
	9MD3E7	PLUG SCREW #2239	56	2MB3E3	SCREW (top) (2) #2228
26	1MD3E1	TYPE BLOCK (right)			
	1MD3E7	PLUG SCREW (brass) #2235			



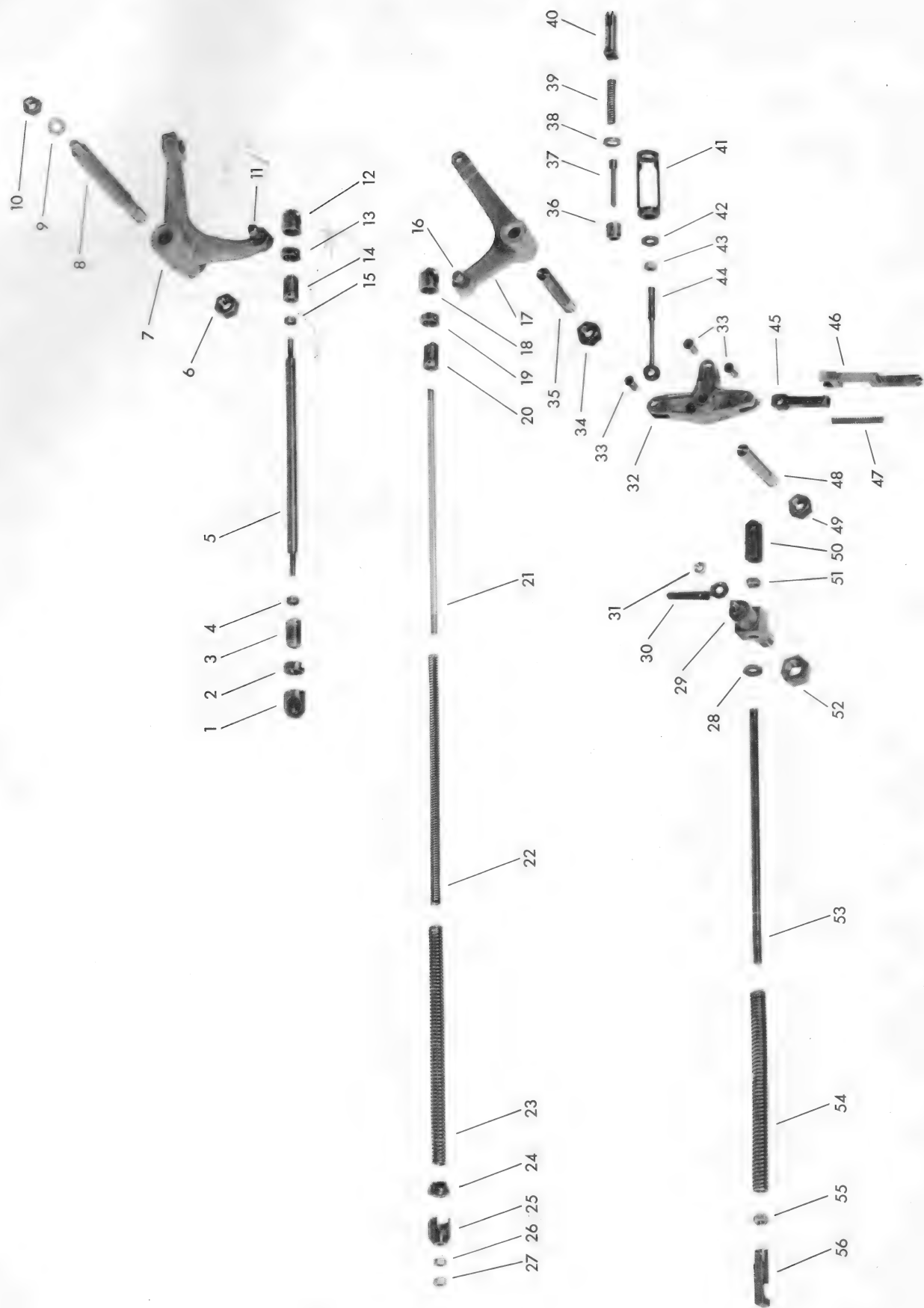
B BLOCK ASSEMBLY

Key	Symbol	Name	Key	Symbol	Name
1	c15B	Normal Wedge Locking Pin STAND	a20B2		Lever Stand RIVET (2) #7104
2	14B4	Bushing ADJUSTING SLEEVE	d20B3		LEVER (for b31B)
3	14B5	Bushing ADJUSTING NUT	b20B4		Lever PIN
4	b14B	Normal Wedge LOCKING PIN	a20B5		SHIELD
5	a14B7	SHANK	20B6		Shield SCREW (2) #252
6	b14B8	SPRING #669	a20B9		Lever Pin COTTER #95
7	14B10	Spring ABUTMENT (upper)	a20B10		BUSHING #458
8	14B1	ADJUSTING NUT #310	a20B11		LEVER (for d26B)
9	14B2	Adjusting Nut LOCK NUT #312	a20B12		Lever PIN #7161
10	8B	Matrix Jaw SHOE	a24B2		PLATE (trip for d26B)
11	8B1	SCREW (top) (2) #218	62	3B4	SCREW ($\frac{5}{16}$ " x $\frac{15}{16}$ ") #215
12	8B2	SCREW (rear) #219	63	3B2	DOWEL (right) #53
13	15B2	DOWEL (2) #55	64	11B3	Cover SCREW #235
14	15B4	SCREW ($\frac{1}{4}$ " x $\frac{5}{8}$ ") #223	65	11B2	COVER
15	a14B6	Bushing GUIDE SCREW	66	29B6	Eye PIN
16	15B3	SCREW ($\frac{1}{4}$ " x $\frac{7}{8}$ ") #222	67	b29B	TYPE PUSHER
17	15B6	SCREW ($\frac{3}{16}$ " x $\frac{1}{2}$ ") (2) #233	b29B1		BLADE
18	15B1	BOLT ($\frac{3}{16}$ " x $\frac{9}{16}$ ") #124	29B2		Blade RIVET (head end) (2) #732
19	a14B3	BUSHING	29B3		Blade RIVET (eye end, long) #7104
20	11B1	BOLT #123	29B4		Blade RIVET (eye end, short) #732
21	11B	Matrix Jaw Shoe PACKING BLOCK (right)	a29B5		EYE
22	17B2	Stud NUT #35	68	29B7	Eye Pin COTTER #94
23	17B3	Stud WASHER #417	69	a28B	Type Pusher GUIDE
24	a9B4	SHOE	70	a28B2	COVER
25	a6B	MATRIX JAW (right)	71	a28B3	Cover SCREW (2) #250
26	16B3	Stud WASHER #417	72	28B1	SCREW #236
27	16B2	Stud NUT #35	73	d3B	Air Pin BLOCK (front)
28	a5B	MATRIX JAW (left)	74	a3B10	PLUG SCREW (2) #2235
29	a9B3	SCREW (top) #220	75	1B1	SPRING (14) #69
30	10B	Matrix Jaw Shoe PACKING BLOCK (left, small)	76	1B	AIR PIN (14)
31	7B3	NUT	77	a2B1	SPRING #6119
32	a7B2	SPRING #6182	78	a2B	AIR PIN (fixed, stop for 18 unit row)
33	a7B	Matrix Jaw LATCH (in a5B, for 21D)	79	a25B	Type Carrier Spring Abutment STAND
	a7B1	PIN	80	25B1	SCREW (front) (2) #221
34	a9B7	Clamp SCREW #231	81	25B2	SCREW (top) #223
35	a9B6	CLAMP (upper)	82	3B5	SCREW ($\frac{1}{4}$ " x $1\frac{1}{16}$ ") #218
36	a9B5	CLAMP (lower)	83	3B6	SCREW ($\frac{1}{4}$ " x $1\frac{1}{4}$ ") #219
37	9B2	DOWEL #55	84	3B7	SCREW ($\frac{1}{4}$ " x $\frac{7}{8}$ ") #222
38	a9B8	SCREW (rear) #221	85	22B1	LOCK NUT #310
39	a9B9	SCREW (front) #227	86	22B4	SPRING #616
40	b9B	Matrix Jaw Shoe PACKING BLOCK (left, large)	87	a22B2	SLEEVE
41	a4B	Air Pin PLATE	88	a22B	Type Carrier EXTENSION
42	19B	Pin Jaw Guide Rod STOP	89	21B7	Forked Eye PIN
43	4B1	DOWEL (2) #56	90	21B8	Forked Eye Pin COTTER
44	16B	PIN JAW (left)	91	a21B5	FORKED EYE (cam lever end)
	16B1	STUD #835	92	21B6	Forked Eye LOCK NUT #316
45	4B2	SCREW (4) #223	93	21B	Type Carrier CONNECTING ROD
46	a12B5	PIN	94	21B9	SPRING #615
47	36B2	NUT #310	95	21B11	SLEEVE
48	17B	PIN JAW (right)	96	21B10	Spring ABUTMENT
	17B1	STUD #835	97	21B2	Forked Eye LOCK NUT (left hand) #317
49	18B	Pin Jaw GUIDE ROD	98	21B1	FORKED EYE (carrier end)
50	a18B1	SCREW	99	21B4	Forked Eye DOWEL #58
51	36B1	Pin Jaw Guide Rod STAND (right)	100	3B1	DOWEL (left) #51
52	a13B4	CONNECTING BAR	101	b23B	Type Carrier SHOE (long)
53	a13B5	SPRING #6180	a23B3		CAM (front)
54	d13B	Matrix Jaw Stop Rack LOCKING BAR (front)	a23B4		CAM (rear)
55	b12B1	Matrix Jaw STOP RACK (front)	a23B5		Cam RIVET (lower) #7206
56	24B1	SCREW (2) #221	a23B6		Cam RIVET (right) #721
57	3B3	SCREW ($\frac{5}{16}$ " x $1\frac{5}{8}$ ") (2) #212	a23B7		Cam RIVET (center, left) (2) #7207
58	21B3	Forked Eye PIN	102	23B2	SCREW (left) #227
59	b24B	Type Carrier SHOE (short)	103	23B1	SCREW (right & center) (2) #222
60	d20B	TYPE CARRIER	104	b12B2	LUG
	b20B1	Lever STAND	b12B4		Spring ABUTMENT (right)
			105	b12B7	SPRING #6194
			106	a12B3	Spring ABUTMENT (left)
			107	b12B6	PLUG



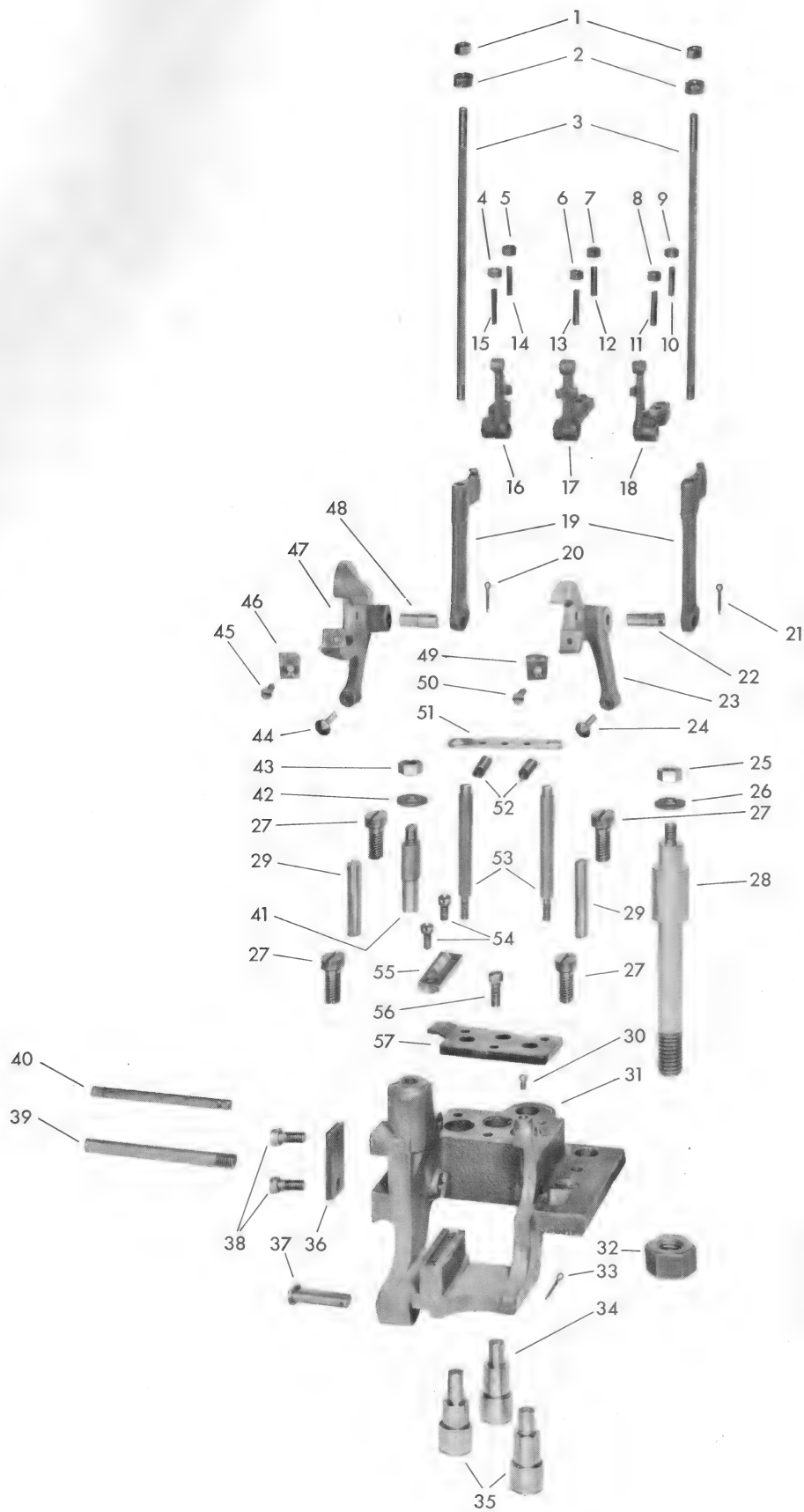
SIZING MECHANISM: SPACE & TYPE TRANSFER WEDGES

Key	Symbol	Name	Key	Symbol	Name
1	52D2	Adjusting Screw LOCK NUT	a59D18		Space Wedge Lever BUSHING (2)
2	a52D	Space TRANSFER WEDGE	a59D13		Type Wedge LEVER (2)
3	52D1	ADJUSTING SCREW	a59D16		Type Wedge Lever CROSSHEAD
4	a53D4	YOKE	59D17		Type Wedge Lever SEPARATING PIN (2) #742
5	63D3	PIN	a59D19		Type Wedge Lever BUSHING (2)
6	62D	Type TRANSFER WEDGE	38	53D1	NUT #33
7	a53D	Space Transfer Wedge OPERATING ROD	39	53D2	Nut LOCK NUT #34
8	20D	MICROMETER WEDGE	40	63D4	WASHER (rawhide)
9	a20D1	SHANK	41	63D1	NUT #33
10	21D	NORMAL WEDGE	42	63D2	Nut LOCK NUT #34
11	c15B	Normal Wedge Locking Pin STAND	43	59D14	Type Wedge Lever BOLT (for 59D4) =120
12	20D7	Shank SPRING #635	44	59D15	Type Wedge Lever Bolt NUT #310
13	a20D5	Shank NUT #35	45	59D7	Upper Connecting Link Separating Block BUSHING
14	20D4	Adjusting Screw Spring SCREW (2) #248	46	60D10	LOCK NUT for 59D11) =310
15	a20D3	Adjusting Screw SPRING	47	60D2	CAP
16	a20D2	ADJUSTING SCREW	48	60D9	Rod Adjusting Nut LOCK NUT #312
17	55D5	NUT #310	49	60D8	Rod ADJUSTING NUT (for 60D12 & 60D13) =310
18	57D2	Adjusting Nut LOCK NUT #33	50	59D1	Cam Lever EXTENSION
19	57D1	ADJUSTING NUT		59D4	Upper Connecting LINK (2)
20	57D4	ROD #839		59D5	Upper Connecting Link PIN (in 59D1)
21	55D4	Spring ABUTMENT (upper)		59D6	Upper Connecting Link SEPARATING BLOCK
22	55D1	SPRING (inside) #64		59D7	Upper Connecting Link Separating Block BUSHING
23	55D2	SPRING (outside) #65		59D8	Upper Connecting Link Separating Block RIVET (2) #735
24	55D3	Spring ABUTMENT (lower)	51	70E5	Extension Adjusting Bolt LOCK NUT #314
25	56D1	FULCRUM SCREW	52	60D11	Spring ABUTMENT (2)
26	57D3	FULCRUM PIN (for 56D)	53	70E4	Extension ADJUSTING BOLT #18
27	56D	Transfer Wedge Shifter LEVER	54	60D12	SPRING (inside) #618
28	57D	Transfer Wedge Shifter Lever ARM	55	60D13	SPRING (outside) #617
29	58D	Transfer Wedge Shifter Lever Arm SPRING #614	56	11D	JUSTIFICATION WEDGE (rear or .0005")
30	54D2	Cap SCREW (2) #247	57	10D	JUSTIFICATION WEDGE (front or .0075")
31	54D1	CAP	58	60D6	ROD
32	54D	Transfer Wedge Operating Rod GUIDE		60D7	Rod HEAD
33	55D	Transfer Wedge SHIFTER	59	60D1	TUBE
34	63D	Type Transfer Wedge OPERATING ROD	60	60D3	FORKED EYE
35	54D3	SCREW (2) #223	61	61D	Transfer Wedge Spring Box STAND
36	53D3	WASHER (rawhide)	62	61D1	SCREW (2) #215
37	59D2	Lower CONNECTING LINK (2)	63	60D4	Forked Eye PIN
	59D3	Lower Connecting Link BUSHING (2)	64	60D5	Forked Eye Pin COTTER (2) #95
	a59D9	Space Wedge LEVER (2)			
	a59D10	Space Wedge Lever CROSSHEAD			
	59D11	Space Wedge Lever EYE (on 60D6)			
	59D12	Space Wedge Lever SEPARATING PIN (3) #742			



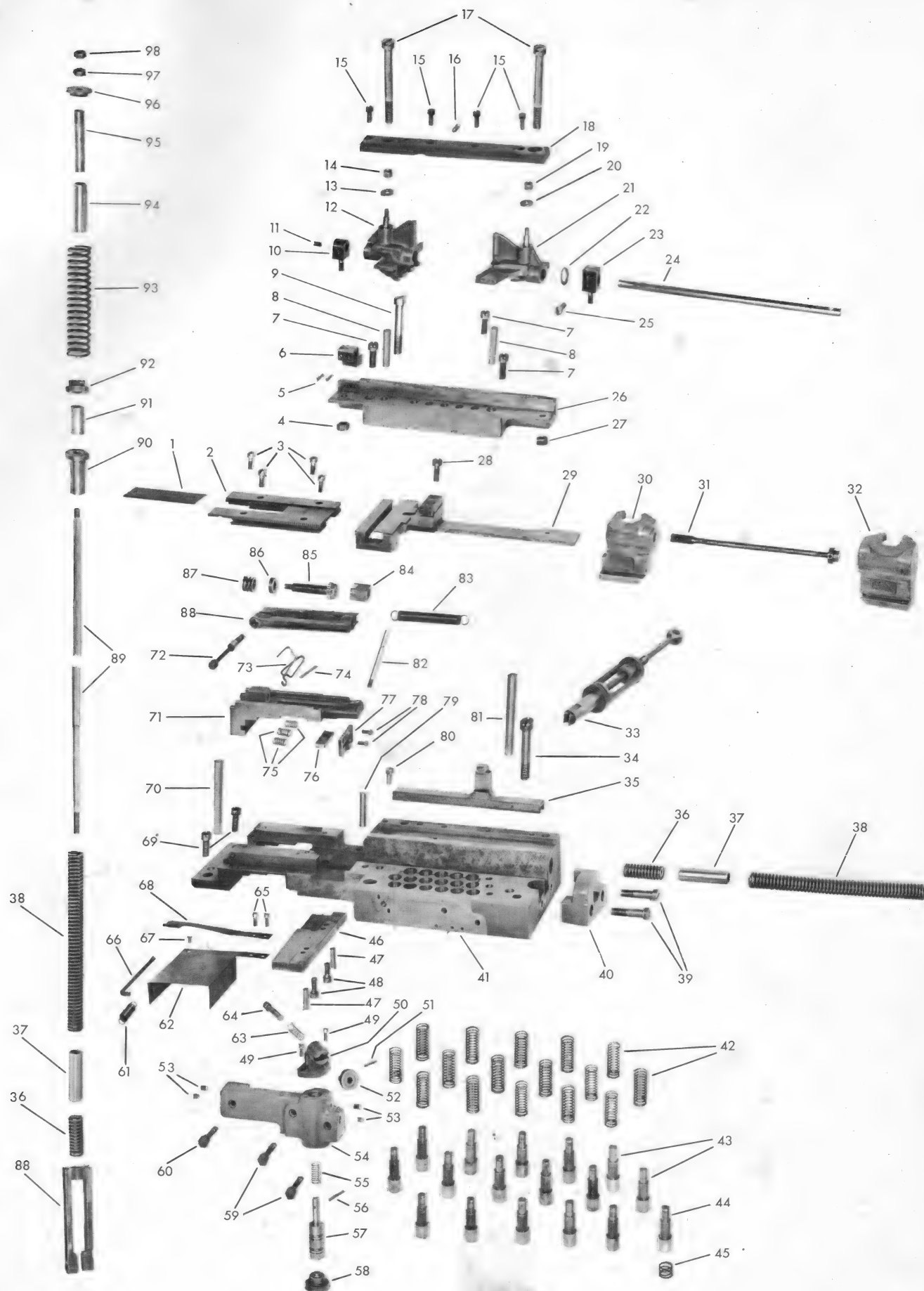
TYPE PUSHER & LOCKING BARS BELL CRANK ASSEMBLIES

Key	Symbol	Name
1	46E	Mold Blade Connecting Rod BALL SOCKET (on 44E1)
2	46E1	LOCK NUT
3	46E2	PLUG
4	45E1	LOCK NUT #310
5	45E	Mold Blade CONNECTING ROD
6	42E1	NUT (lower) #327
7	41E	Mold Blade BELL CRANK
8	42E	Mold Blade Bell Crank STUD
9	42E3	WASHER #49
10	42E2	NUT (upper) #319
11	41E1	BALL STUD #841
12	47E	Mold Blade Connecting Rod BALL SOCKET (on 41E1)
13	47E1	LOCK NUT
14	47E2	PLUG (left hand)
15	45E2	LOCK NUT (left hand) #311
16	73E1	BALL STUD #841
17	73E	Type Pusher BELL CRANK
18	78E	Type Pusher Connecting Rod BALL SOCKET (bell crank end)
19	78E1	LOCK NUT
20	78E2	PLUG
21	77E	Type Pusher CONNECTING ROD
22	a77E6	SPRING (inside) #657
23	a77E7	SPRING (outside) #6112
24	77E2	BALL SOCKET (short, cam lever end)
25	77E1	BALL SOCKET (long, cam lever end)
26	77E3	Ball Socket LOCK NUT #310
27	77E4	Ball Socket LOCK NUT #312
28	a33E9	Spring WASHER #410
29	a39E	Matrix Jaw Tongs STUD (front, in a36E51)
30	a39E3	ARM (for 24G)
31	39E2	NUT (upper) #310
32	d28E	Locking Bar BELL CRANK (for d13B & c13C)
33	a28E3	PIN (3)
34	74E1	NUT #327
35	74E	Type Pusher Bell Crank FULCRUM STUD
36	a13C5	Connecting Rod ADJUSTING NUT
37	a13C9	Spring ABUTMENT PIN
38	a13C7	Connecting Rod WASHER #410
39	a13C8	SPRING #6179
40	c13C	Matrix Jaw Stop Rack LOCKING BAR (rear)
41	a13C11	YOKE
42	a13C7	Connecting Rod WASHER #410
43	a13C6	Connecting Rod LOCK NUT #316
44	a13C4	CONNECTING ROD
45	a13B4	CONNECTING BAR
46	d13B	Matrix Jaw Stop Rack LOCKING BAR (front)
47	a13B5	SPRING #6180
48	b32E	Locking Bar Bell Crank STUD (in a36E51)
49	b32E1	NUT #319
50	a33E10	EYE
51	a33E2	Eye LOCK NUT #316
52	39E1	NUT (lower) #329
53	b33E	Locking Bar OPERATING ROD
54	b33E7	SPRING #6191
55	a33E6	Hook LOCK NUT (left hand) #317
56	a33E5	HOOK



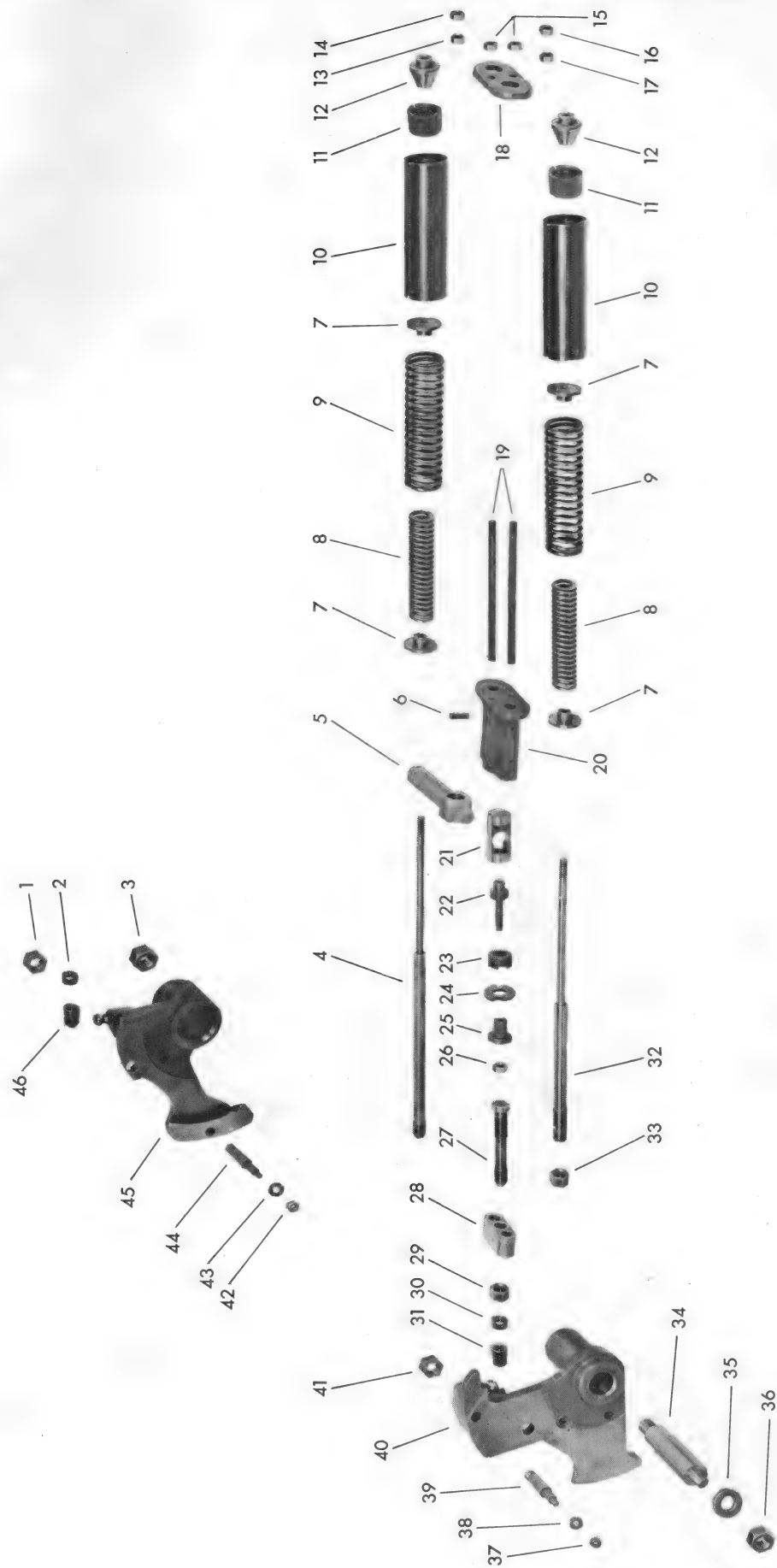
D BLOCK ASSEMBLY

Key	Symbol	Name
1	15D2	Adjusting Nut LOCK NUT (2) #33
2	15D1	ADJUSTING NUT (2)
3	15D3	ROD (2) #839
4	5D4	Stop Screw LOCK NUT #33
5	5D2	Abutment Screw LOCK NUT #33
6	4D4	Stop Screw LOCK NUT #33
7	4D2	Abutment Screw LOCK NUT #33
8	6D4	Stop Screw LOCK NUT #33
9	6D2	Abutment Screw LOCK NUT #33
10	6D1	ABUTMENT SCREW (for 1D) #2185
11	6D3	STOP SCREW #2184
12	4D1	ABUTMENT SCREW (for 2D) #2185
13	4D3	STOP SCREW #2184
14	5D1	ABUTMENT SCREW (for 1D) #2185
15	5D3	STOP SCREW #2184
16	5D	BELL CRANK (left, for 15D)
17	4D	BELL CRANK (center, for 57D)
18	6D	BELL CRANK (right, for 15D)
19	15D	Justification Wedge Lever ARM (2)
20	14D2	Pin COTTER #95
21	13D2	Pin COTTER #95
22	13D1	PIN (for 15D) #838
23	a13D	Justification Wedge LEVER (for 11D)
24	a13D5	BEARING BUTTON
25	40E2	NUT (upper) #310
26	40E3	WASHER #414
27	3D5	SCREW (4) #216
28	40E	Matrix Jaw Tongs STUD (rear, in c3D)
29	3D4	DOWEL (2) #55
30	a3D12	SET SCREW (for 7D) #249
31	c3D	Air Pin BLOCK (justification)
32	40E1	NUT (lower) #327
33	48D2	Fulcrum Pin COTTER #95
34	2D	AIR PIN (space, center)
35	1D	AIR PIN (justification, right & left) (2)
36	b3D6	SHOE (for d13B)
37	48D1	FULCRUM PIN
38	a3D7	Shoe SCREW (2) #233
39	18D	Justification Wedge Lever FULCRUM PIN
40	7D	Bell Crank FULCRUM PIN #888
41	3D8	STUD
42	3D10	Stud WASHER #414
43	3D9	Stud NUT #310
44	a14D5	BEARING BUTTON
45	14D4	Plate SCREW #245
46	14D3	PLATE
47	a14D	Justification Wedge LEVER (for 10D)
48	14D1	PIN (for 15D) #838
49	13D3	PLATE
50	13D4	Plate SCREW #245
51	17D	Justification Wedge Lever Arm Spring PLATE
52	16D	Justification Wedge Lever Arm SPRING (2) #614
53	3D3	Cover Plate SCREW (long) (2)
54	12D1	SCREW (2) #241
55	12D	Justification Wedge CENTERING TOOTH
56	3D2	Cover Plate SCREW #233
57	a3D1	COVER PLATE



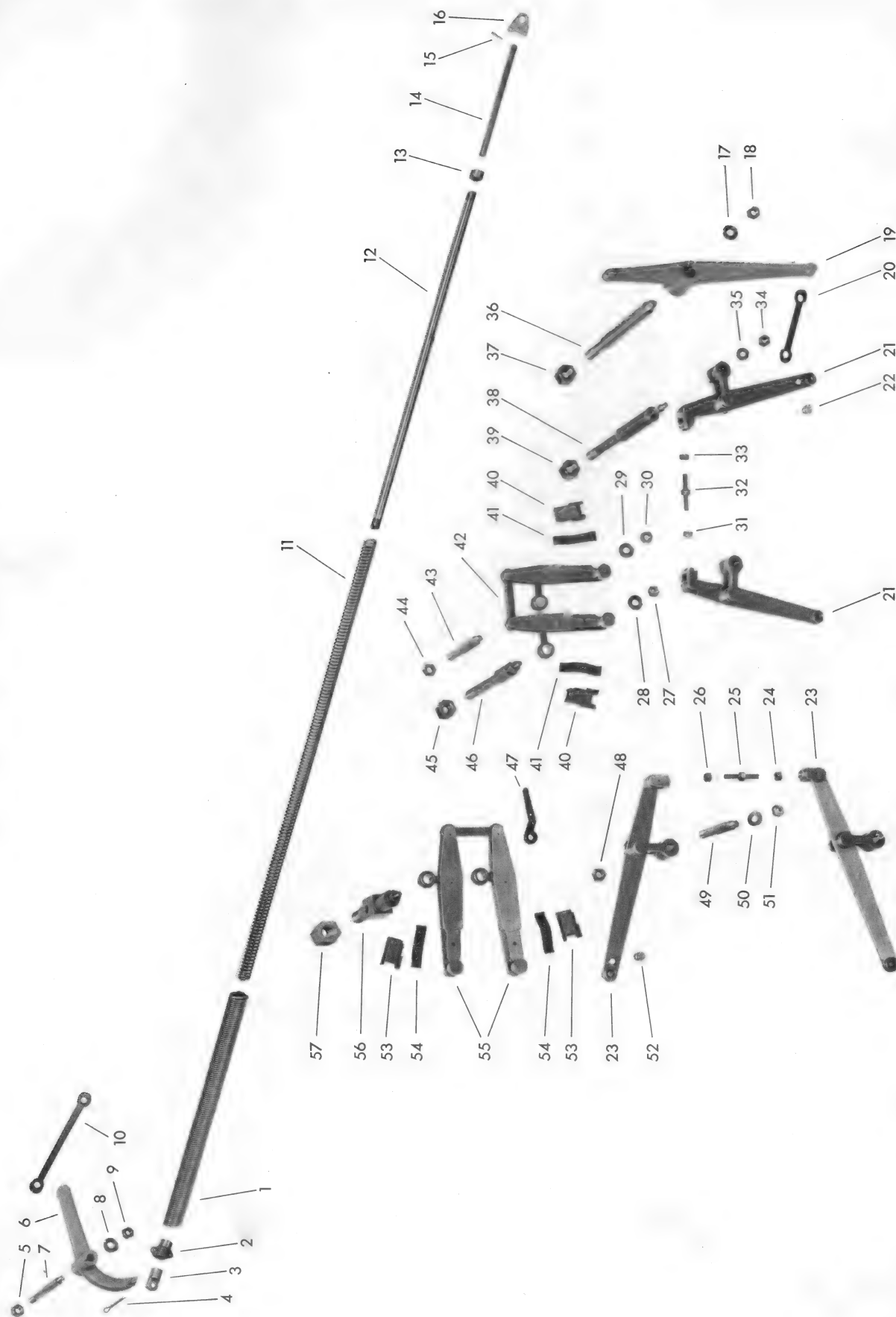
C BLOCK ASSEMBLY

Key	Symbol	Name	Key	Symbol	Name
1	7C1	COVER PLATE	43	1C	AIR PIN (16)
2	a7C	Cross Slide GUIDE	44	a2C	AIR PIN (fixed, stop for front row)
3	7C2	SCREW (4) #233	45	a2C1	SPRING #6119
4	22C1	NUT #310	46	17C	Normal Wedge ABUTMENT (on b3C)
5	a10C1	RIVET (2) #7224	47	17C1	DOWEL (2) #57
6	a10C3	Matrix Jaw STOP	48	17C2	SCREW (2) #236
7	4C2	SCREW (3) #223	49	40C6	Cover SCREW (2) #247
8	4C1	DOWEL (2) #56	50	40C5	COVER (top)
9	a3C13	SCREW #2373	51	40C11	Locking Plunger RIVET ($\frac{1}{16}$ " x $\frac{11}{16}$ ")
10	a22C	Pin Jaw Guide Rod STAND (front)	52	40C9	Locking Plunger HEAD
11	a20C1	SCREW	53	40C13	Plug SCREW (4) #2239
12	a18C5	PIN JAW (front)	54	40C2	BOX
	18C1	STUD (for Xa56E18) #835	55	40C14	SPRING #6295
13	18C3	Stud WASHER #417	56	40C7	GUIDE PIN ($\frac{3}{32}$ " x $\frac{1}{2}$ ") #7224
14	18C2	Stud NUT #35	57	40C1	CONTROL VALVE
15	6C1	SCREW (4) #234	58	40C12	PLUG (bottom)
16	6C2	SPRING POST #851	59	40C3	Box SCREW (long, to pin block) (2)
17	3C5	SCREW ($\frac{5}{16}$ " x $2\frac{1}{2}$ ") (2) #211	60	40C4	Box SCREW (short, to pin block)
18	a6C	Cross Slide Extension SHOE	61	87E7	SPRING #6101
19	19C2	Stud NUT #35	62	24C	Wedge COVER
20	19C3	Stud WASHER #417	63	40C10	Locking Plunger SPRING
21	19C	PIN JAW (rear)	64	40C8	LOCKING PLUNGER
	19C1	STUD (for X56E) #835	65	a16C8	Fork Pin Spring SCREW (2) #2212
22	a21C	Pin Jaw Guide Rod STOP #456	66	b3C7	SPRING POST #896
23	23C	Pin Jaw Guide Rod STAND (rear)	67	24C1	SCREW #250
24	a20C	Pin Jaw GUIDE ROD	68	b16C7	Fork Pin SPRING
25	23C1	CLAMP SCREW #232	69	3C6	SCREW ($\frac{1}{4}$ " x $\frac{5}{8}$ ") (2) #223
26	b4C3	Air Pin PLATE	70	3C3	DOWEL (No. 5 x $1\frac{1}{4}$ ") #56
27	23C2	NUT #310	71	d14C	Mold Blade ABUTMENT SLIDE
28	a5C2	Draw Rod CLAMP SCREW #223	72	a16C6	Fork PIN
29	d5C	CROSS SLIDE	73	a14C10	Adjusting Screw LOCK SPRING
	c5C3	EXTENSION	74	a14C11	PIN (for a14C10)
	5C4	Extension RIVET (long) #7228	75	14C6	Anvil Plunger SPRING (3) #699
	a5C7	Extension RIVET (short) #7179	76	14C5	Anvil PLUNGER
	b5C9	PLATE (stop for matrix case)	77	a14C3	ANVIL
	a5C10	Plate RIVET (long) (2) #7207	78	14C7	Anvil SCREW (2) #247
	a5C11	Plate RIVET (short) #721	79	3C2	DOWEL (No. 6 x 2") #52
30	b8C4	MATRIX JAW (front)	80	a3C14	STOP PIN
31	b5C1	DRAW ROD	81	3C1	DOWEL (No. 6 x $2\frac{1}{2}$ ") #51
32	a9C4	MATRIX JAW (rear)	82	14C8	SPRING POST
33	c13C	Matrix Jaw Stop Rack LOCKING BAR (rear)	83	15C	Mold Blade Abutment Slide SPRING #612
	a13C4	CONNECTING ROD	84	a16C16	NUT (front)
	a13C5	Connecting Rod ADJUSTING NUT	85	b14C1	ADJUSTING SCREW
	a13C6	Connecting Rod LOCK NUT #316	86	a14C12	Adjusting Screw NUT
	a13C7	Connecting Rod WASHER #410	87	a14C13	Adjusting Screw SPRING (spiral) #6174
	a13C8	SPRING #6179	88	b16C5	FORK
	a13C9	Spring ABUTMENT PIN	89	a16C	Mold Blade OPERATING ROD
	a13C10	STOP WASHER #457	90	16C3	Ejecting Spring ABUTMENT
	a13C11	YOKE	91	a16C1	DISTANCE SLEEVE (between 16C3 and 16C13)
34	3C4	SCREW ($\frac{5}{16}$ " x $1\frac{5}{8}$ ") (2) #212	92	16C13	Sizing Spring ABUTMENT (front)
35	b12C18	Matrix Jaw Stop RACK (solid)	93	16C10	SIZING SPRING #613
36	a16C17	EJECTING SPRING (short) #6187	94	a16C12	Sizing Spring SLEEVE (outside)
37	b16C4	Ejecting Spring SLEEVE	95	a16C11	Sizing Spring SLEEVE (inside)
38	a16C2	EJECTING SPRING (long) #6186	96	16C14	Sizing Spring ABUTMENT (rear)
39	11C1	SCREW (2) #219	97	16C9	NUT (rear) #310
40	b11C	Matrix Jaw STOP (rear)	98	a16C15	Nut LOCK NUT #312
41	a3C12	Air Pin BLOCK			
42	1C1	SPRING (16) #69			



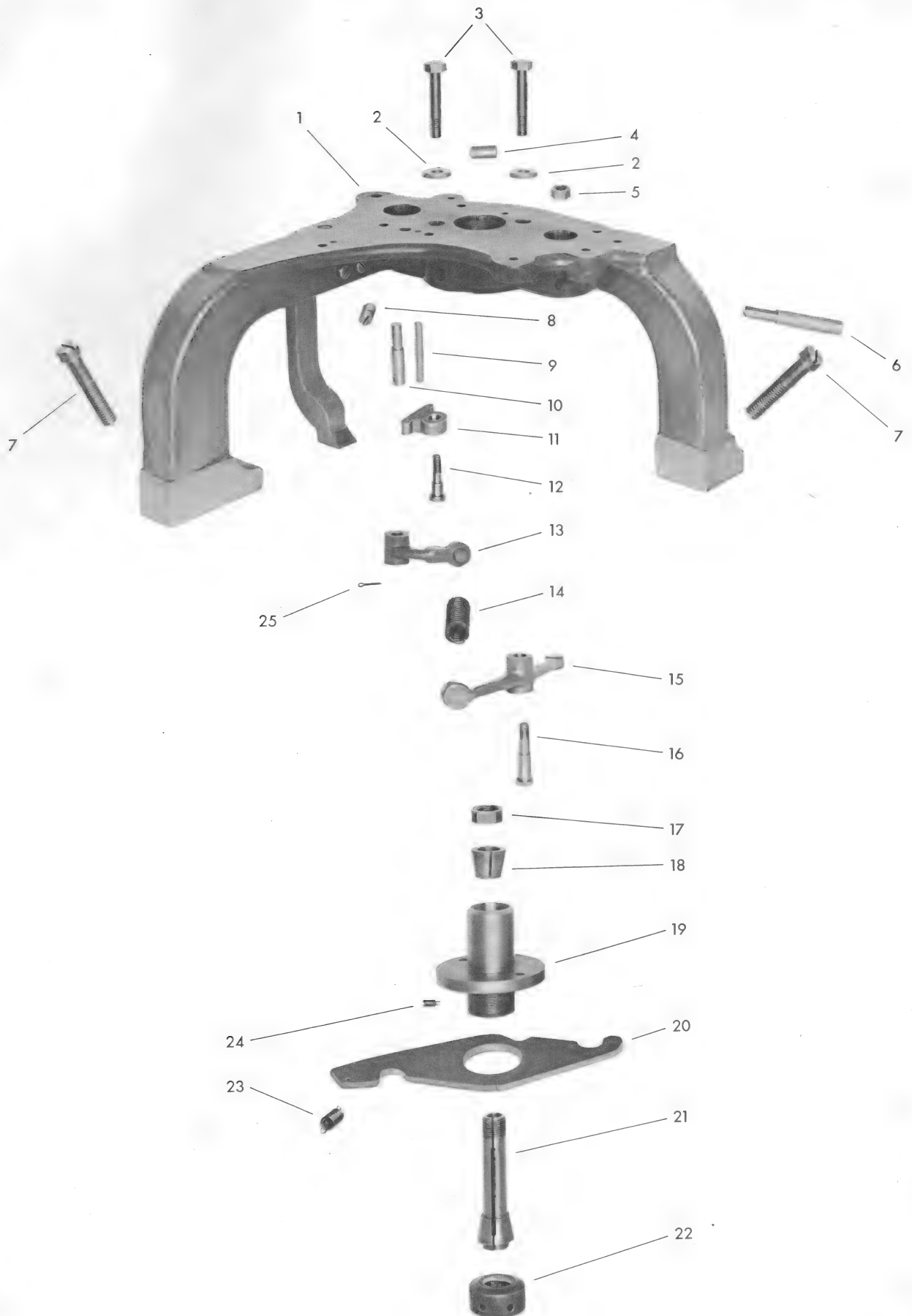
JAW TONGS BELL CRANKS & SPRING BOX

Key	Symbol	Name
1	21E7	STUD NUT (lower) #322
2	a27E1	LOCK NUT
3	22E1	NUT (lower) #329
4	b26E14	SPRING ROD (lower)
5	a26E1	BALL EXTENSION
6	a26E3	Ball Socket GUIDE PIN #721
7	a26E11	SPRING ABUTMENT (4)
8	a26E9	SPRING (inside) (2) #665
9	a26E10	SPRING (outside) (2) #664
10	a26E24	TUBE (2)
11	a26E12	SPRING BRAKE (wood) (2)
12	a26E13	Spring BRAKE CONE (2)
13	b26E15	Spring ROD NUT #314
14	b26E16	Spring Rod Nut LOCK NUT #315
15	a26E27	Tube Cap Stud NUT (2) #314
16	b26E20	Spring Rod Nut LOCK NUT #315
17	b26E19	Spring Rod NUT #314
18	a26E28	TUBE PLATE
19	a26E26	Tube Cap STUD (2)
20	a26E25	Tube CAP
21	a26E2	BALL SOCKET (left bearing for Ball)
22	a26E6	BALL PLUG (right bearing for Ball)
23	a26E4	Ball Socket PLUG
24	a26E8	Ball Plug WASHER
25	a26E5	Ball Socket Plug BUTTON
26	a26E7	Ball Plug NUT #316
27	a26E22	Spring Rod Crosshead BALL PLUG
28	a26E21	Spring Rod CROSSHEAD
29	a26E23	Spring Rod Crosshead Ball Plug LOCK NUT #328
30	a81E1	LOCK NUT
31	a81E	Jaw Tongs Spring Box BALL SOCKET (upper)
32	b26E17	SPRING ROD (upper)
33	a26E18	Spring Rod LOCK NUT (crosshead end) #328
34	22E	Jaw Tongs Bell Crank FULCRUM STUD
35	22E3	WASHER
36	22E2	NUT (upper) #327
37	21E4	Stud NUT (upper) #310
38	21E5	Stud WASHER #414
39	21E2	STUD (long)
40	b21E10	Jaw Tongs BELL CRANK (upper)
	a21E11	BALL STUD #848
41	21E3	Stud NUT (lower) #32
42	21E8	Stud NUT (upper) #310
43	21E9	Stud WASHER #414
44	21E6	STUD (short)
45	a21E	Jaw Tongs BELL CRANK (lower)
46	a27E	Jaw Tongs Spring Box BALL SOCKET (lower)



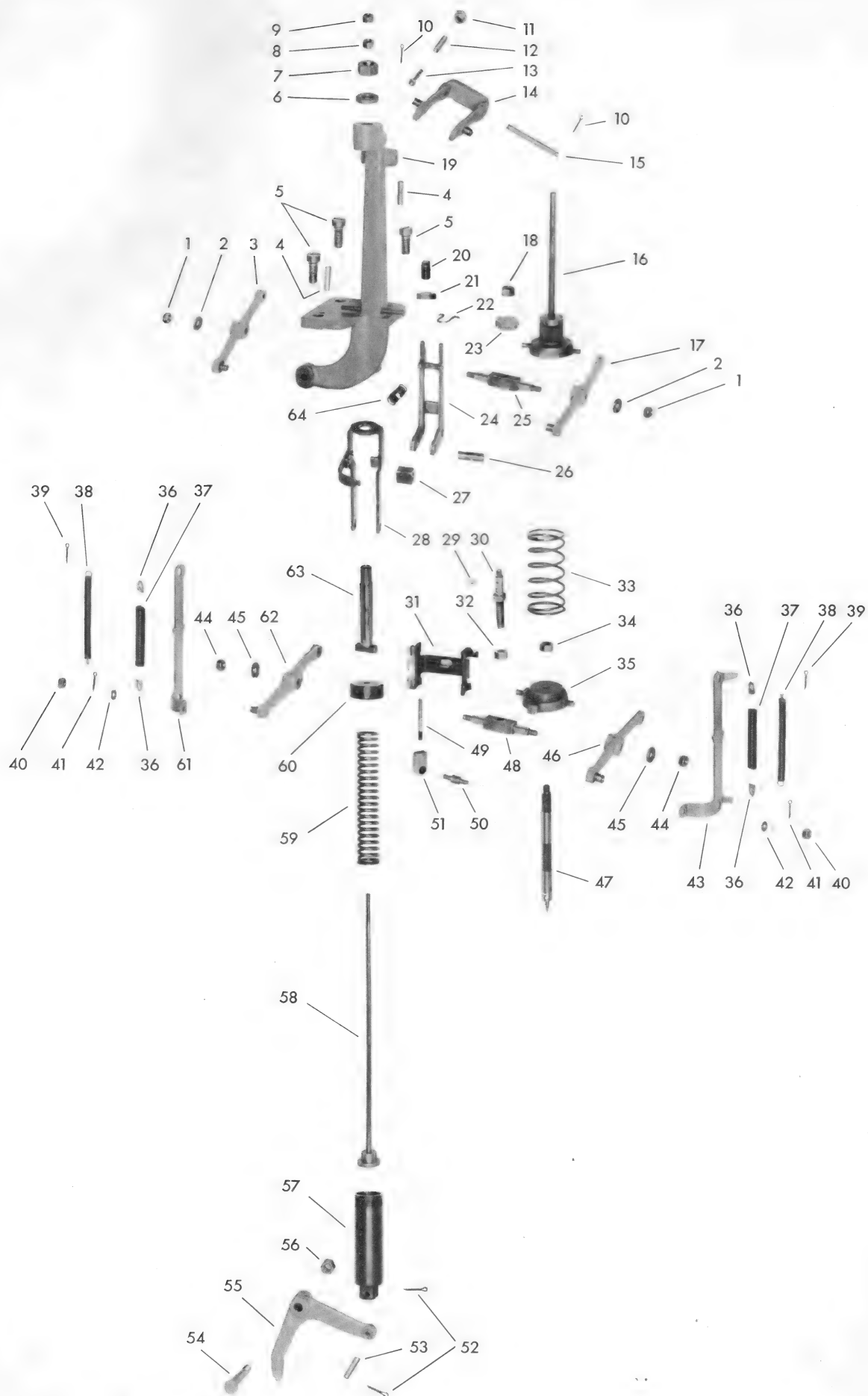
JAW TONGS

Key	Symbol	Name	Key	Symbol	Name
1	a57E10	Pin Jaw Tongs SPRING (inner) #6298	25	a55E15	Connecting Eye Adjusting STUD #842
2	57E5	Guide Tube SPRING SLEEVE	26	a55E16	Connecting Eye Adjusting Stud LOCK NUT #35
3	57E3	Guide Tube EYE	27	40E2	NUT (upper) #310
4	58E3	Pin COTTER #95	28	40E3	WASHER #414
5	59E1	NUT (lower) #314	29	3D10	Stud WASHER #414
6	a58E	Pin Jaw Tongs Spring BELL CRANK	30	3D9	Stud NUT #310
	58E1	PIN (for 60E) #831	31	56E5	Connecting Eye Adjusting Stud LOCK NUT (left hand) #36
	58E2	PIN (for 57E3)	32	56E3	Connecting Eye Adjusting STUD #842
7	59E	Pin Jaw Tongs Spring Bell Crank STUD	33	56E4	Connecting Eye Adjusting Stud LOCK NUT #35
8	59E3	WASHER #414	34	63E2	NUT (upper) #310
9	59E2	NUT (upper) #310	35	63E3	WASHER #414
10	60E	Pin Jaw Tongs Spring CONNECTING LINK (long, front)	36	42E	Mold Blade Bell Crank STUD
11	a57E9	Pin Jaw Tongs SPRING (inner) #6298	37	42E1	NUT (lower) #327
12	57E2	GUIDE TUBE	38	63E	Pin Jaw Tongs STUD (rear, in a36E51)
13	57E4	Guide Tube NUT	39	63E1	NUT (lower) #327
14	57E6	GUIDE ROD	40	a38E15	LOCK SLIDE (2)
15	57E8	Guide Rod Spring PLATE RIVET #7161	41	a38E16	Lock Slide SPRING (2)
16	57E7	Guide Rod Spring PLATE	42	b38E1	Matrix Jaw Tongs (rear) CONNECTING LINK
17	42E3	WASHER #49		38E6	Connecting Link PIN (2)
18	42E2	NUT (upper) #319		a38E8	Lever DISTANCE PIECE (2)
19	a62E	Pin Jaw Tongs Spring LEVER		38E9	LINK (center) (2)
	62E1	PIN (for 61E) #831		38E10	Link PIN (center) (2)
	62E2	PIN (for 57E7) #831		a38E13	FULCRUM PIN (2)
20	61E	Pin Jaw Tongs Spring CONNECTING LINK (short, rear)		a38E14	Fulcrum Pin RING (2)
21	a56E18	LEVER (front)		a38E17	LEVER (lower) (2)
	56E1	CONNECTING EYE		a38E18	LEVER (upper) (2)
	56E2	CONNECTING EYE (left hand)	43	21E6	STUD (short)
	56E6	PIN (2)	44	21E7	Stud NUT (lower) #322
	a56E19	LEVER (rear)	45	40E1	NUT (lower) #327
	56E9	Lever BUSHING (end) (2)	46	40E	Matrix Jaw Tongs STUD (rear, in c3D)
	56E10	Lever BUSHING (center) (2)	47	a39E3	ARM (for 24G)
	56E11	Lever Bushing WASHER (end) (4)	48	39E2	NUT (upper) #310
	56E12	Lever Bushing WASHER (center) (2)	49	21E2	STUD (long)
	56E13	LINK (3)	50	21E5	Stud WASHER #414
	56E14	Link BUSHING (stud end) (2)	51	21E4	Stud NUT (upper) #310
	56E15	Link FULCRUM PIN (2) #766	52	55E13	SPRING POST (in 55E3) #833
	56E16	LINK (lower link at center of 56E19)	53	a37E11	LOCK SLIDE (2)
22	56E17	SPRING POST (in 56E19) #833	54	a37E12	Lock Slide SPRING (2)
23	a55E1	CONNECTING EYE	55	a37E1	Matrix Jaw Tongs (front) CONNECTING LINK
	a55E2	CONNECTING EYE (left hand)		37E3	Connecting Link PIN (2)
	55E3	LEVER (left)		a37E4	LEVER (lower) (2)
	55E4	LEVER (right)		a37E5	Lever DISTANCE PIECE (2)
	55E5	Lever BUSHING (end) (4)		37E6	LINK (center) (2)
	55E6	Lever Bushing WASHER (end) (4)		37E7	Link PIN (center) (2)
	55E7	Lever BUSHING (center) (2)		a37E8	LEVER (upper) (2)
	55E8	Lever Bushing WASHER (center) (2)		a37E9	FULCRUM PIN (2)
	55E9	LINK (center, upper) (2)		a37E10	Fulcrum Pin RING (2)
	55E10	LINK (center, lower) (2)	56	a39E	Matrix Jaw Tongs STUD (front, in a36E51)
	55E11	Link FULCRUM PIN (2)		39E1	NUT (lower) #329
	55E12	Link BUSHING (stud end) (2)			
	a55E14	Connecting Eye PIN (2)			
24	a55E17	Connecting Eye Adjusting Stud LOCK NUT (left hand) #36			



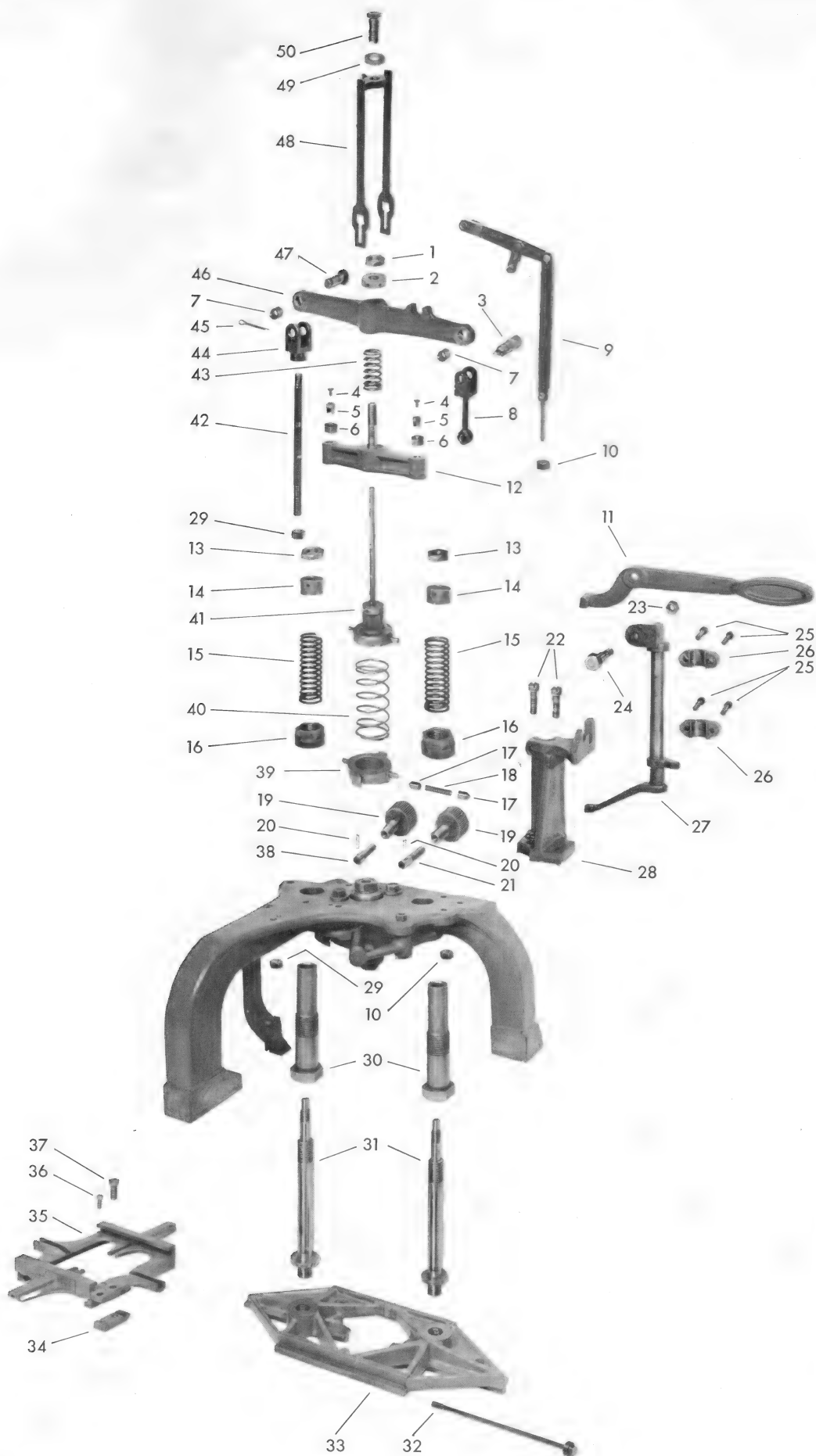
BRIDGE & CENTERING PIN STAND

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	a1A	BRIDGE
	1A2	LEG
	1A3	Leg SCREW (side) (2) #222
	1A4	Leg SCREW (top) #228
	1A5	Leg SPRING POST (for 7A1)
2	6A4	BOLT WASHER (2) #410
3	6A3	BOLT (2) #19
4	33A4	Differential Screw Bell Crank PLUNGER
5	35A4	Stud NUT #310
6	35A2	PLUNGER
7	1A1	SCREW (2) #24
8	35A6	PLUNGER
9	1A10	PIN (for 7A) #7165
10	b1A11	STUD
11	a33A3	Differential Screw BELL CRANK
12	a33A5	Differential Screw Bell Crank STUD
13	35A5	LEVER (rear)
14	35A7	SPRING #6175
15	35A1	LEVER (left)
16	35A3	STUD
17	6A7	Bushing ADJUSTING NUT
18	6A6	Bushing ADJUSTING SLEEVE
19	a6A	Centering Pin STAND
20	7A	Fibre STOP
21	b6A5	BUSHING
22	a6A22	NUT
23	7A1	SPRING #621
24	6A8	Bushing GUIDE SCREW
25	a1A12	Stud COTTER #94



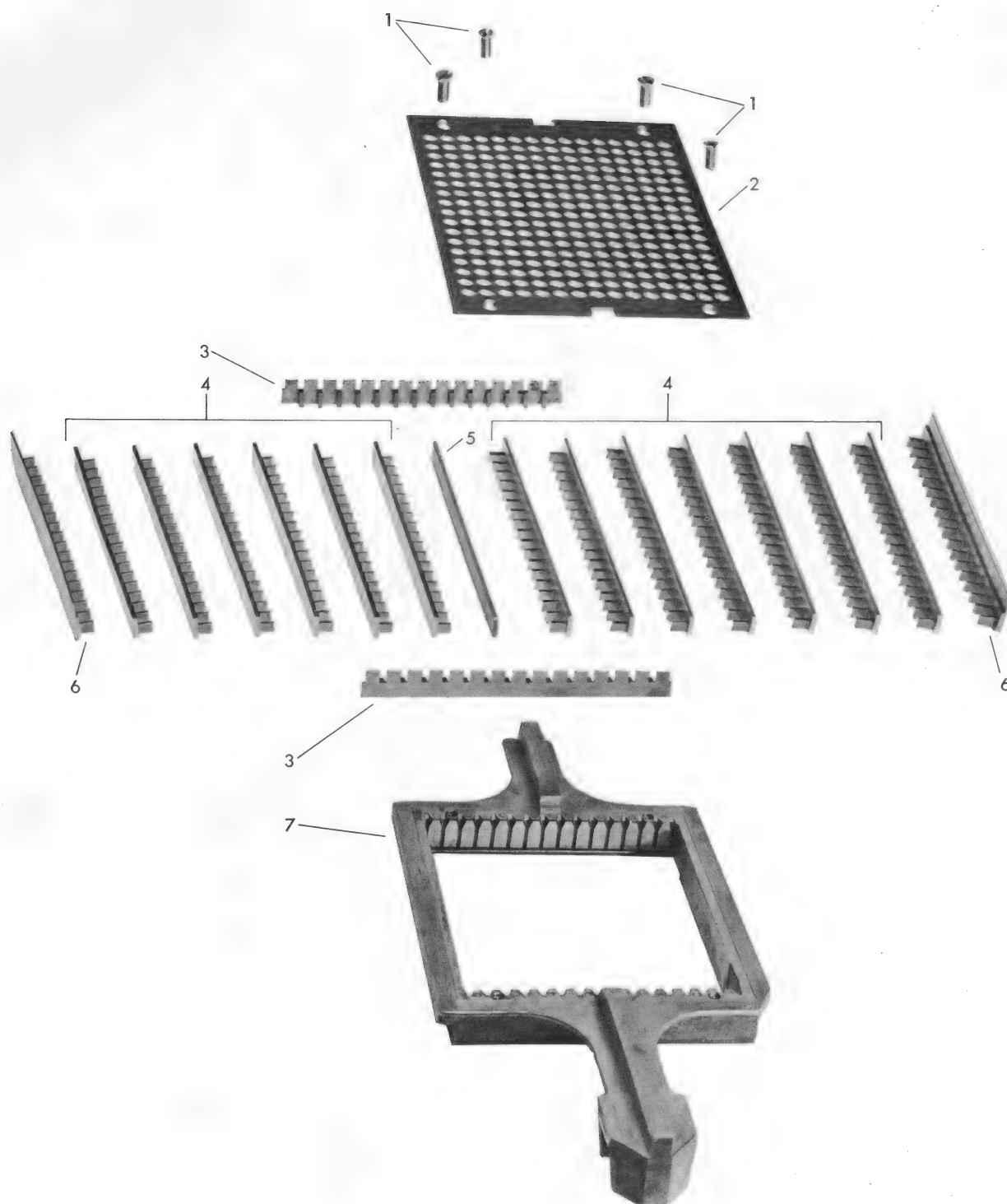
BRIDGE BRACKET (Low Quad Mechanism)

Key	Symbol	Name	Key	Symbol	Name
1	21A4	Fulcrum Pin NUT (2) #35	31	a51A1	Bridge Bracket Yoke Link SLIDE
2	21A5	Fulcrum Pin Nut WASHER (2) #419	32	a22A5	LOCK NUT (lower) #310
3	21A2	Centering Pin Spring Abutment LEVER (upper, right)	33	18A2	Centering Pin SPRING #668
	21A7	STUD (in 21A2)	34	28A3	NUT #310
4	10A2	DOWEL (2) #57	35	18A1	ABUTMENT (lower)
5	10A6	SCREW (3) #2198	36	52A2	EYE (4)
6	a14A4	WASHER #457	37	52A1	Bridge Bracket Yoke Link Slide SPRING (2) #6131
7	14A3	NUT #320	38	a10A10	SPRING (2) #6123
8	12A6	Rod ADJUSTING NUT #35	39	16A5	Stud COTTER (2) #97
9	12A7	Rod Adjusting Nut LOCK NUT #37	40	17A4	Pin NUT (2) #33
10	16A3	Fulcrum Pin COTTER (2) #97	41	20A7	Stud COTTER (2) #97
11	10A5	Plunger Spring ABUTMENT	42	17A5	Pin WASHER (2) #440
12	10A4	Plunger SPRING #6176	43	a17A1	Bridge Bracket Yoke LINK (left)
13	10A3	PLUNGER (lock for 14A1)	44	20A4	Fulcrum Pin NUT (2) #35
14	16A1	Bridge Bracket YOKE	45	20A5	Fulcrum Pin Nut WASHER (2) #419
	a16A4	STUD (for a17A1 and a17A2) (2)	46	20A1	Centering Pin Spring Abutment LEVER (lower, left)
15	16A2	FULCRUM PIN		20A6	STUD (for a17A1) #876
16	19A1	Centering Pin Spring ABUTMENT (upper)	47	28A1	CENTERING PIN
	19A2	ROD	48	20A3	FULCRUM PIN
	19A3	Rod NUT	49	b24A5	ROD
17	21A1	Centering Pin Spring Abutment LEVER (upper, left)	50	17A3	PIN (for 24A8)
	21A6	STUD	51	24A8	Rod EYE
18	22A4	LOCK NUT (upper) #35	52	12A4	Pin COTTER (2) #97
19	10A1	Bridge BRACKET	53	12A3	PIN
	a10A9	Spring PIN #881	54	13A2	STUD
20	10A7	STOP SCREW (abutment for 22A1)	55	13A1	Bridge Bracket Spring Box BELL CRANK
21	10A8	Stop Screw LOCK NUT #390	56	13A3	Stud NUT #310
22	b23A2	Spring HOOK	57	12A1	Bridge Bracket SPRING BOX
23	22A2	KNURLED WHEEL	58	12A5	ROD
24	b23A1	Lifting Tube OPERATING FORK		12A9	Spring ABUTMENT (lower)
25	21A3	FULCRUM PIN	59	12A8	SPRING #6141
26	24A4	PIN	60	12A2	CAP (upper abutment for 12A8)
27	24A3	Lifting Tube Operating Fork BLOCK	61	a17A2	Bridge Bracket Yoke LINK (right)
28	b25A1	Lifting Tube Operating Fork STOP	62	20A2	Centering Pin Spring Abutment LEVER (lower, right)
	c25A2	Spring HOOK		20A8	STUD (for a17A2) #876
	a25A3	Spring Hook RIVET (2) #7199	63	14A1	Bridge Bracket Spring Box LIFTING TUBE
29	22A3	Knurled Wheel KEY #7176			
30	22A1	Centering Pin Spring Abutment Lever ADJUSTING SCREW	64	a23A3	SPRING #6101



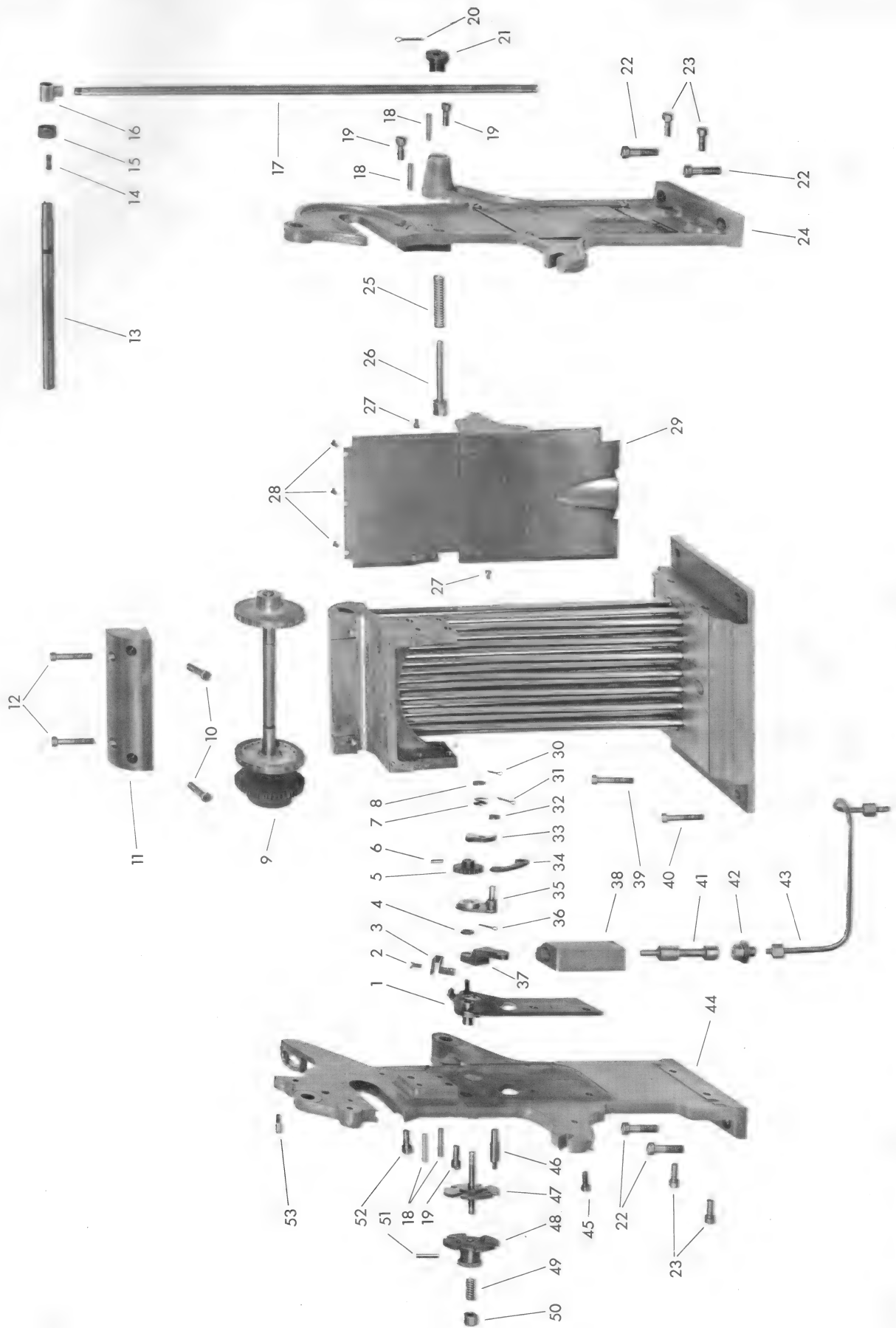
BRIDGE & CARRYING FRAME

Key	Symbol	Name	Key	Symbol	Name
1	4A10	Guide Rod Cross Beam Stud LOCK NUT #323	22	42A8	Stand SCREW (2) #223
2	4A9	Guide Rod Cross Beam Stud ADJUSTING NUT	23	42A3	Fulcrum Stud NUT #310
3	a3A	Bridge Lever LINK PIN	24	42A2	FULCRUM STUD
	a3A1	SPRING	25	42A7	Stand Cap SCREW (4) #232
4	a4A5	Guide Rod Oil Cap SCREW (2)	26	42A6	Stand CAP (2)
5	a4A4	Guide Rod OIL CAP (2)	27	42A4	ROCKER ARM
6	4A7	Guide Rod Cross Beam NUT (2) #314	28	42A5	STAND
7	a2A7	BUSHING (2) #459	29	2A4	Fulcrum Rod NUT (2) #314
8	2A1	CONNECTING LINK	30	1A6	BUSHING (for 4A1) (2)
9	30A1	Centering Pin AUXILIARY LEVER (2)	31	4A1	GUIDE ROD (2)
	30A2	FULCRUM LINK (2)	32	9A1	DRAW ROD
	30A3	Fulcrum Link EYE BOLT	33	4A	CARRYING FRAME
	30A5	Fulcrum Link PIN (2)	34	a9A2	Draw Rod CLAMP
	30A6	OPERATING LINK (2)	35	c9A	SLIDING FRAME
	30A7	Operating Link PIN (lower)	36	9A4	Draw Rod Clamp SCREW (rear) #243
	30A8	Operating Link PIN (upper)	37	b9A3	Draw Rod Clamp SCREW (front) #2234
	30A9	TRUNNION BLOCK	38	33A2	DIFFERENTIAL SCREW (right)
10	30A4	Fulcrum Link Eye Bolt NUT (2) #310	39	18A1	ABUTMENT (lower)
11	42A1	Cross Beam LIFTING LEVER	40	18A2	Centering Pin SPRING #668
12	a4A6	Guide Rod CROSS BEAM	41	19A1	Centering Pin Spring ABUTMENT (upper)
	a4A8	Guide Rod Cross Beam STUD		19A2	ROD
13	4A3	Guide Rod Stop Nut LOCK NUT (2) #326		19A3	Rod NUT
14	4A2	Guide Rod STOP NUT (2)	42	2A2	FULCRUM ROD
15	4A12	RAISING SPRING (2) #63	43	4A11	Guide Rod Cross Beam Stud SPRING #61
16	1A7	Bushing NUT (hexagonal) (2)	44	2A3	Fulcrum Rod FORKED EYE
17	33A8	PLUNGER (2)	45	2A6	Fulcrum Pin COTTER #95
18	33A9	Plunger SPRING #6176	46	b2A	BRIDGE LEVER
19	33A1	Centering Pin MICROMETER SCREW (2)	47	2A5	FULCRUM PIN
20	33A7	Differential Screw KEY SCREW (2)	48	31A1	Centering Pin LIFTING LINK (2)
21	33A6	DIFFERENTIAL SCREW (left)		31A2	YOKE
			49	31A6	Adjusting Screw LOCK NUT #323
			50	31A5	ADJUSTING SCREW (outer)



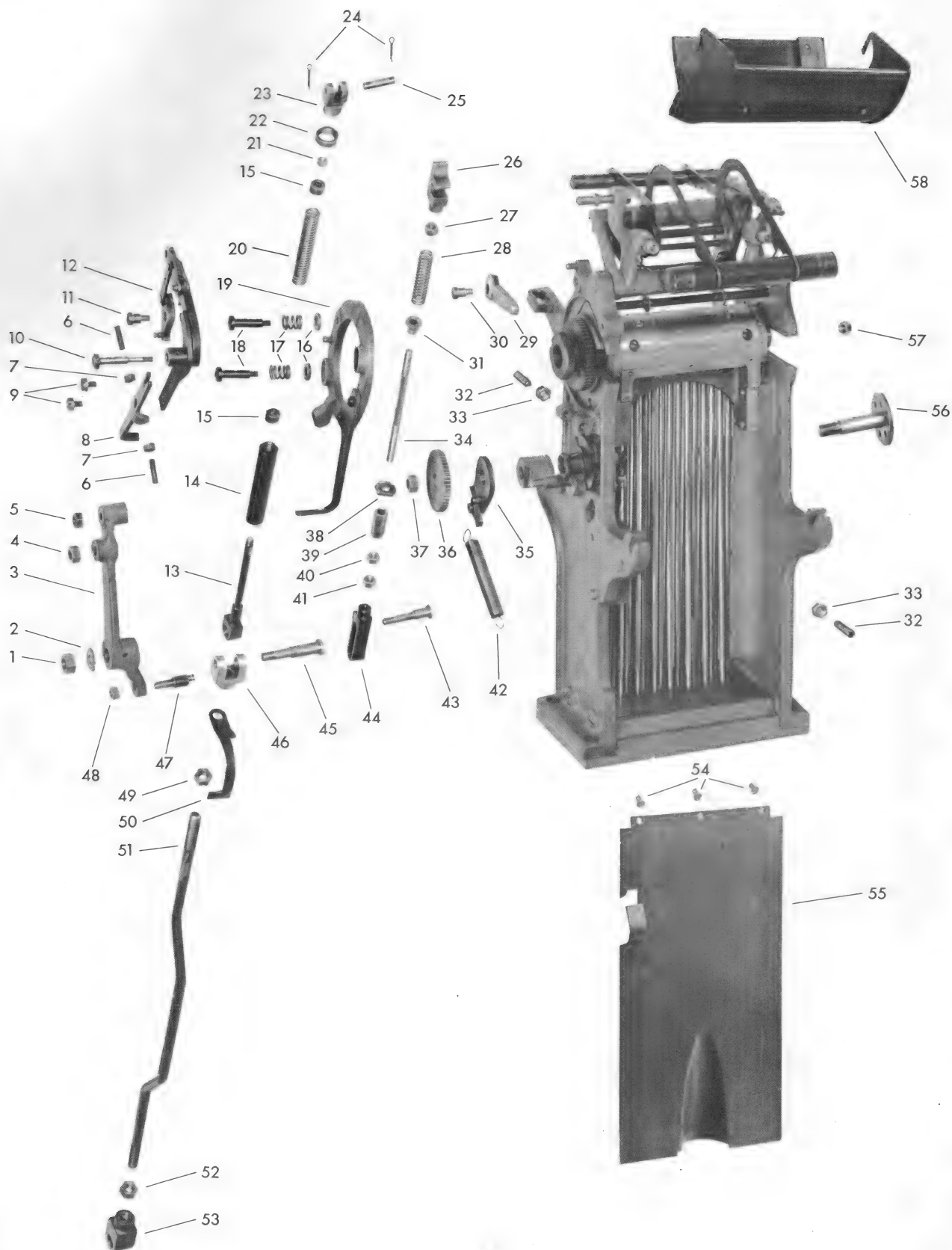
MATRIX CASE

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	a8A15	Cover Plate SCREW (4) #2375
2	b8A13	COVER PLATE
3	a8A9	SPACING COMB (front & rear) (end) (2)
4	a8A12	COMB (13)
5	a8A11	BAR
6	a8A14	SPACING COMB (right & left) (side) (2)
7	b8A10	MATRIX CASE
	a8A5	SHOE (2)
	a8A6	Shoe RIVET (16) #7171



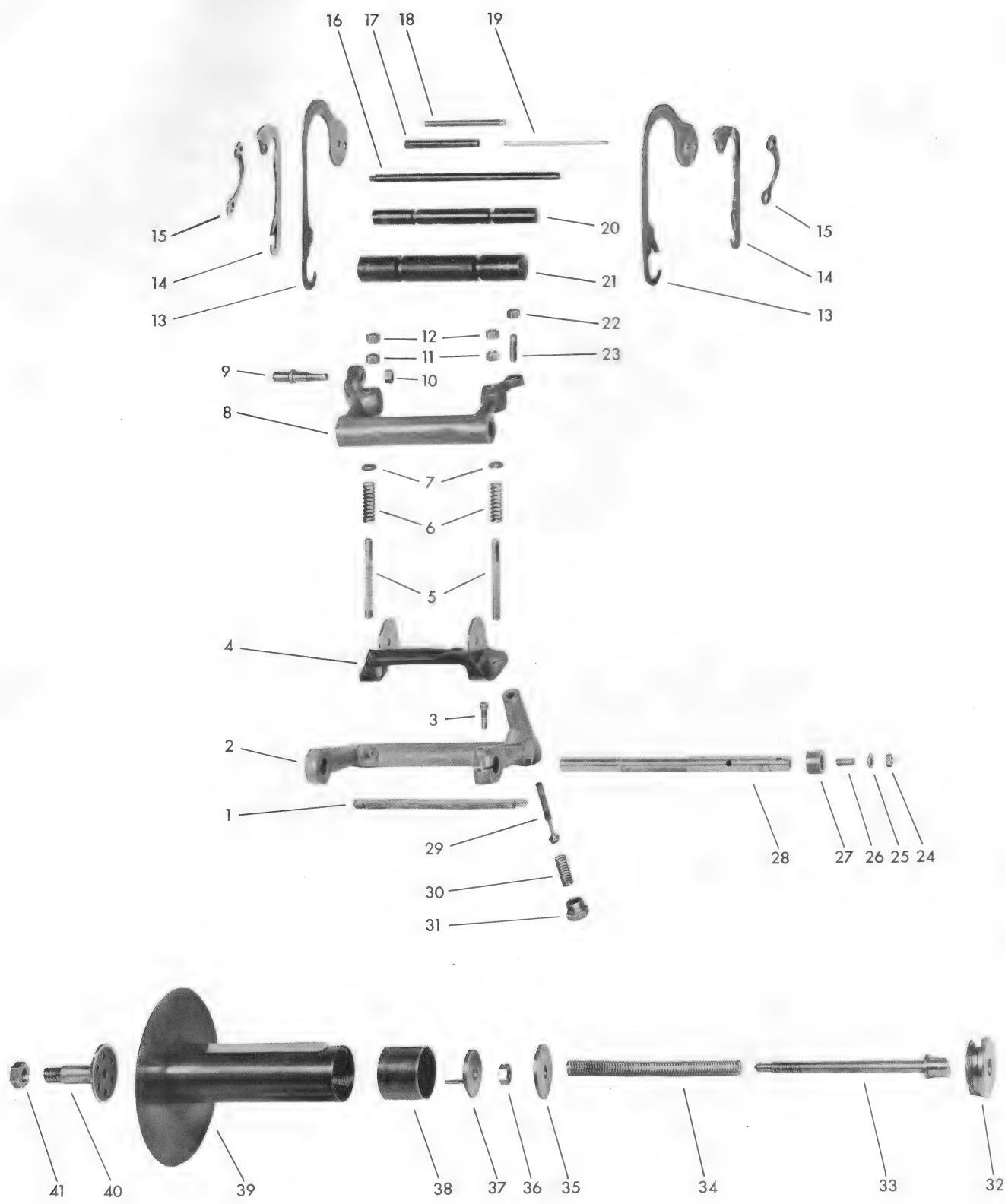
PAPER TOWER

Key	Symbol	Name	Key	Symbol	Name
1	29G24	Shaft BRACKET	30	29G20	Ratchet Wheel Rocking Plate Pin
	29G6	Ratchet Wheel Pawl Lever PIN (in shaft bracket)			COTTER #97
	29G25	Shaft Bracket BOSS	31	29G16	Pipe Connector Rocking Plate Pin
2	29G3	Ratchet Wheel Detent Spring			COTTER #97
		SCREW #2251	32	29G21	Ratchet Wheel Rocking Plate Pin
3	a29G2	Ratchet Wheel DETENT SPRING			WASHER #420
4	29G8	Ratchet Wheel Pawl Lever PIN	33	29G4	Ratchet Wheel PAWL
		WASHER #420	34	29G14	Pipe Connector Rocking Plate LINK
5	29G1	RATCHET WHEEL	35	29G12	Pipe Connector ROCKING PLATE
6	29G22	Ratchet Wheel TAPER PIN #555		29G13	Pipe Connector Rocking Plate BOSS
7	29G17	Pipe Connector Rocking Plate Pin		29G15	Pipe Connector Rocking Plate PIN
		SPRING			(long, for pawl)
8	29G18	Pipe Connector Rocking Plate Pin		29G19	Pipe Connector Rocking Plate PIN
		WASHER #420			(short, for link)
9	d20G	PIN WHEEL (rear)	36	29G7	Ratchet Wheel Pawl Lever Pin
	a20G1	PIN WHEEL (front)			COTTER #97
	20G2	PIN (24) (in a20G1)	37	a29G5	Ratchet Wheel Pawl LEVER
	a20G3	SHAFT	38	a29G10	Ratchet Wheel Pawl Lever Piston
	20G4	RATCHET			BLOCK
10	1G9	Cross Girt Cap SCREW (side) (2) #235	39	1G4	Base SCREW (between housings,
11	1G6	Cross Girt CAP			left) #219
12	1G8	Cross Girt Cap SCREW (top) (2) #231	40	a1G22	Base SCREW (between housings,
13	5G	Air Bar SHAFT			right) #220
14	5G2	HEADLESS SCREW (end) #257	41	a29G9	Ratchet Wheel Pawl Lever PISTON
15	5G1	DISTANCE COLLAR	42	29G36	Pipe CONNECTOR
16	6G1	CONNECTION	43	280E12	AIR PIPE (valve box to
17	a6G	AIR PIPE (to 2GG)			quadder control
18	1G10	DOWEL (to 1G5G) (4) #58		280E19	Connector NUT (2)
19	1G12	SCREW (to 1G5G) (3) #232		280E20	Connector SLEEVE (2)
20	25G3	COTTER #95	44	a1G23	Air Tower HOUSING (rear)
21	25G2	BUTTON	45	29G11	Pipe Connector Pawl Lever Piston
22	1G14	SCREW (to a36E51) (4) #222			Block SCREW #233
23	1G11	SCREW (to a1G3) (4) #233	46	1G16	STUD (for a19G)
24	1G1	Air Tower HOUSING (rear)	47	29G23	SHAFT
	a10G	NAME PLATE		29G29	CONTROL PLATE (quadding, inner)
	10G1	SCREW (4) #2387		29G30	RIVET (to shaft) (2) #725
25	25G4	SPRING #647	48	29G31	CONTROL PLATE (outer)
26	25G1	Winding Spool Spring Box		29G32	HUB
		PLUNGER		29G34	LOCATING PIN
27	8G4	Guide SCREW (2) #249		29G35	STOP PIN
28	8G1	SCREW (3) #252	49	29G33	Hub SPRING #6294
29	a8G5	Air Pipe COVER (left)	50	29G27	Shaft COLLAR
	8G2	GUIDE (for winding spool)	51	29G28	Shaft Collar TAPER PIN #555
	8G3	Guide RIVET (4) #780	52	1G13	SCREW (to 1G5G, thin head) #238
			53	1G19	STOP PIN (for 12G) #837



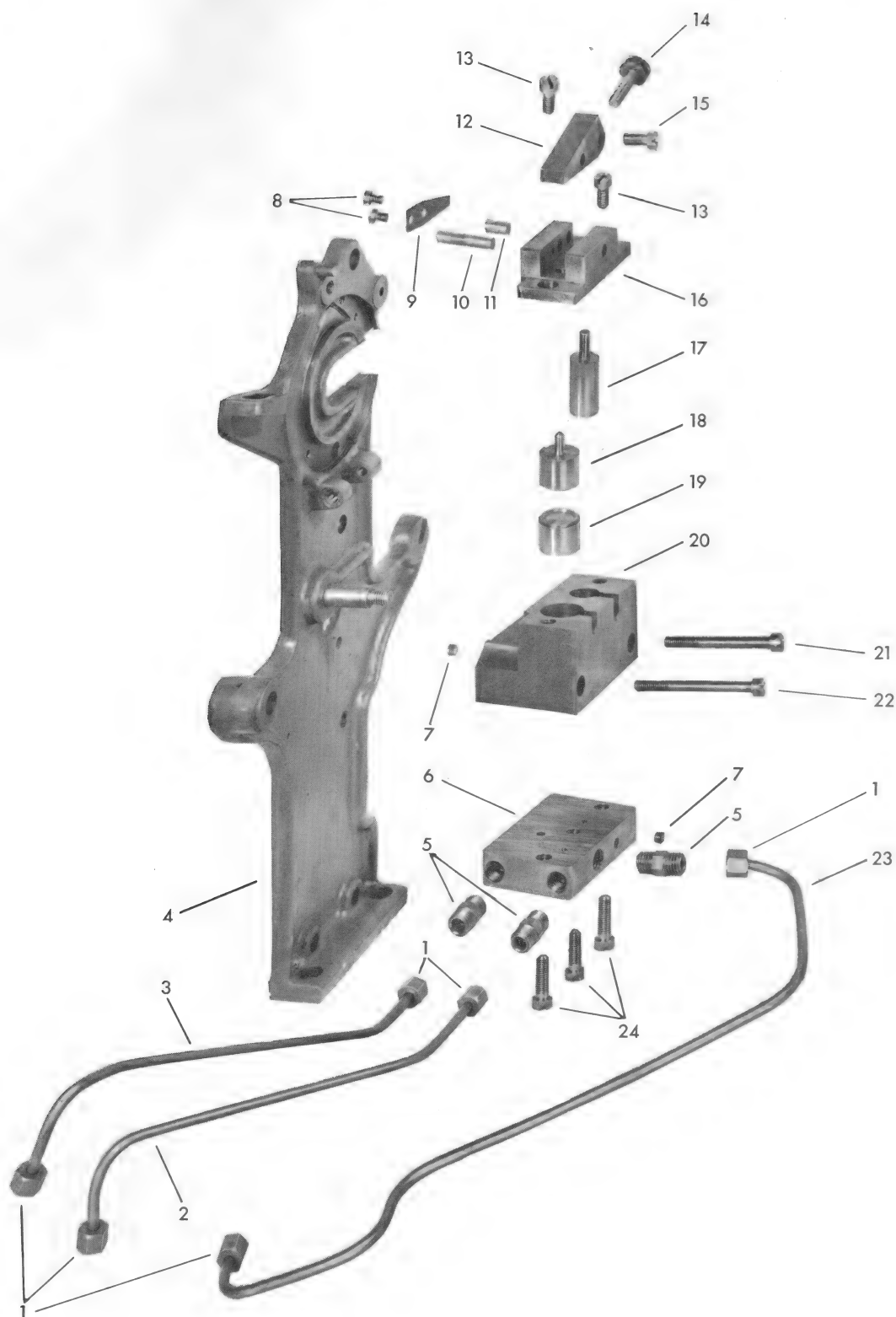
PAPER TOWER—PAPER FEED MECHANISM

Key	Symbol	Name	Key	Symbol	Name
1	1G18	Stud NUT #310	26	4G1	CONNECTING HOOK
2	1G17	Stud WASHER #413	27	4G2	Connecting Hook LOCK NUT #36
3	a19G5	Paper Tower LEVER	28	4G5	SPRING #634
4	19G4	Stud NUT #310	29	12G	Paper Feed LOCKING LEVER (for stopping movement of paper)
5	19G2	Stud NUT #35	30	12G1	STUD #843
6	13G14	Arm ADJUSTING SCREW (2) #2185	31	4G6	Spring SEAT
7	13G15	Arm Adjusting Screw NUT (2) #33	32	1G20	Stop SCREW (for 14GG) (2) #2186
8	13G13	ARM (part #2)	33	1G21	Stop Screw LOCK NUT (2) #35
9	13G16	Arm SCREW (2) #2167	34	4G	Air Bar Clamping Lever CONNECTING ROD
10	a16G	Paper Feed Pawl STUD (upper, in 1GG)	35	23G1	PAWL
11	15G	Paper Feed Pawl STUD (lower, in 14GG)		23G2	Pawl ARM
12	13G1	Paper Feed PAWL (locking, upper)		23G4	Pawl Arm STOP PIN
	13G3	OPERATING LINK		23G5	Pawl PIN
	13G4	Operating Link PIN #857	36	23G	Winding Spool DRIVING RATCHET
	13G5	Operating Link BUSHING	37	22G2	NUT #316
	13G6	Paper Feed PAWL (feeding, lower)	38	a4G9	WASHER
	13G7	Paper Feed Pawl CONNECTING LINK (2)	39	a4G7	ADJUSTABLE SLEEVE
	13G8	Paper Feed Pawl Connecting Link RIVET (2)	40	a4G8	Adjustable Sleeve LOCK NUT #37
	13G9	Paper Feed Pawl SPRING POST #872	41	4G4	Connecting Link LOCK NUT #35
	a13G10	SPRING #6299	42	24G	Winding Spool OPERATING SPRING #662
	a13G11	HUB	43	a19G1	STUD (for 4G)
	a13G12	ARM (part #1)	44	4G3	CONNECTING LINK
	13G18	Arm RIVET #7174	45	a19G3	STUD (for b17G6 and a54E3)
13	b17G6	Spring ROD	46	a54E3	EYE (upper)
14	a17G9	TUBE	47	a19G6	PIN (eccentric)
15	a17G8	Spring Rod WASHER (2)	48	a19G7	LOCK NUT #387
16	14G4	Friction Spring WASHER (2) #418	49	54E4	Eye LOCK NUT (left hand) #311
17	14G2	FRICITION SPRING (2) #633	50	23G3	Pawl Arm OPERATING FINGER
18	14G3	Friction Spring SCREW (2)	51	54E	Paper Tower OPERATING ROD
19	a14G5	Paper Feed Pawl RING	52	54E2	Eye LOCK NUT #310
	14G1	PIN (stop for 13G6)	53	54E1	EYE (lower)
	14G6	ARM	54	7G1	SCREW (3) #252
	a14G7	Arm RIVET (2) #7276	55	a7G2	Air Pipe COVER (right)
20	a17G5	SPRING #6184	56	22G1	Winding Spool DRIVING SHAFT
21	17G7	Spring Rod NUT	57	16G1	NUT #33
22	a17G12	Connection LOCK NUT	58	9G1	BASKET BOTTOM
23	c17G1	Paper Feed Spring Box CONNECTION (upper)		9G2	LEATHER STRIP (front)
24	17G3	Pin COTTER (2) #97		9G3	LEATHER STRIP (rear)
25	a17G2	PIN		9G4	Leather Strip RIVET (6) #780
				9G5	SIDE PLATE (2)
				9G6	WIRE CONNECTING ROD (2)



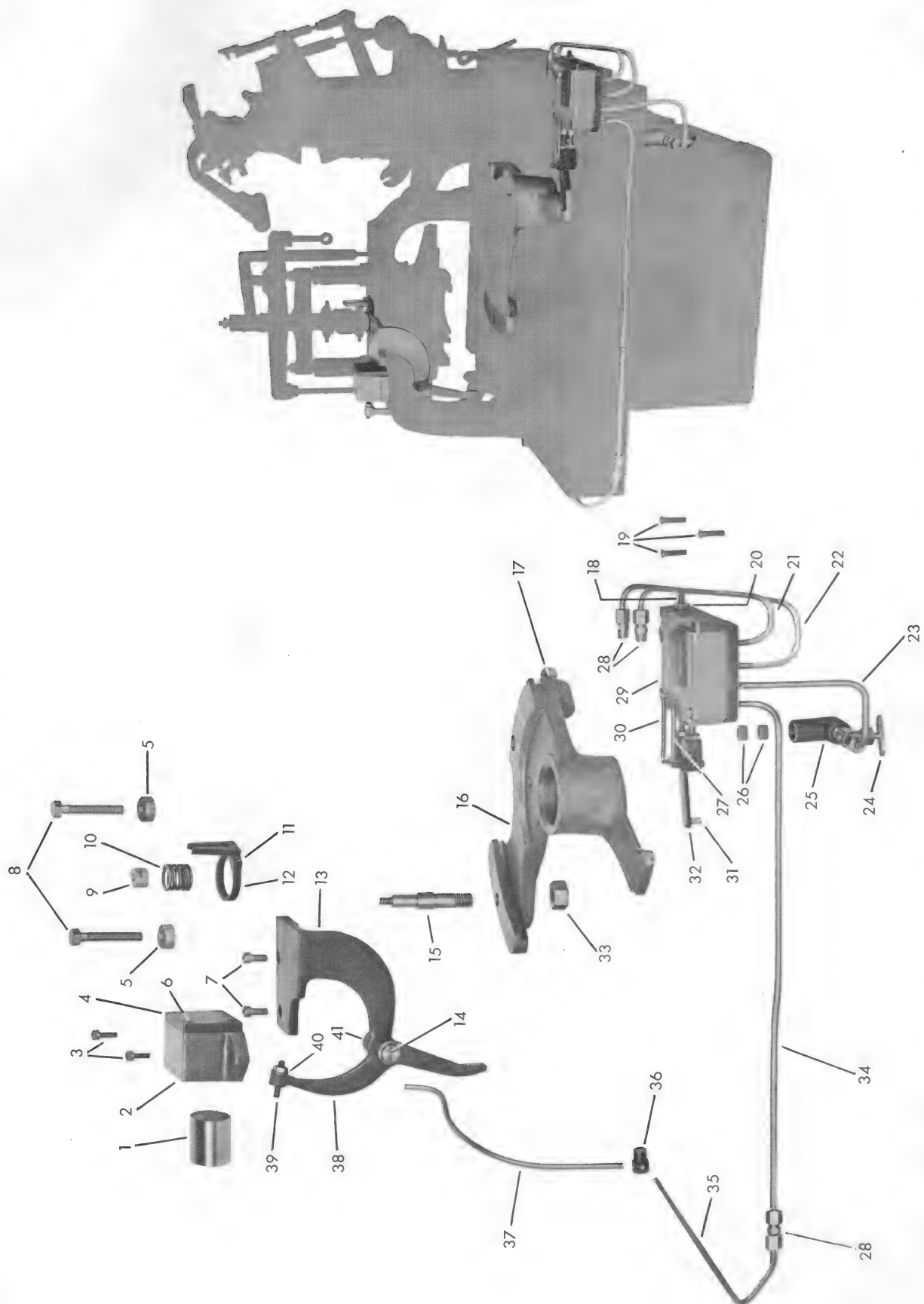
PAPER TENSION BARS & SPOOL

Key	Symbol	Name
1	2G2	LEATHER PACKING
2	a2G	AIR BAR (including Valve Body)
3	2G1	Clamp SCREW #242
4	18G6	Arm GUIDE PLATE
5	2G4	Spring STUD (2)
6	2G3	SPRING (2) #630
7	2G5	Spring Stud WASHER (2) #420
8	3G	Air Bar CLAMPING LEVER (also operates 2G8)
9	3G1	STUD (for 4G1)
10	3G2	Stud NUT #35
11	2G6	Spring Stud NUT (2) #35
12	2G7	Spring Stud Nut LOCK NUT (2) #37
13	18G1	ARM (right) (2)
14	18G3	ARM (left) (2)
15	18G7	CONNECTING LINK (2)
16	18G8	Connecting Link FULCRUM PIN (in Housing)
17	18G5	Arm DISTANCE SLEEVE
18	18G9	Connecting Link PIN (to lift 18G)
19	18G4	Arm FULCRUM PIN
20	18G2	ARM (small, left)
21	18G	Paper Tension BAR (large, right)
22	3G4	Screw LOCK NUT #35
23	3G3	SCREW (for operating 2G8)
24	5G3	Headless Screw NUT #35
25	5G5	Headless Screw WASHER #419
26	5G2	HEADLESS SCREW (end) #257
27	5G1	DISTANCE COLLAR
28	5G	Air Bar SHAFT
29	a2G8	VALVE
30	2G9	Valve SPRING #632
31	2G10	Valve Body PLUG (in a2G)
32	21G4	PLUG (rear)
33	21G5	SHAFT
	21G6	Shaft HEAD
34	21G10	Shaft SPRING #658
35	21G11	Spring ABUTMENT
36	21G9	Shaft Driving Disc LOCK NUT #310
37	21G7	Shaft DRIVING DISC
	21G8	Shaft Driving Disc PIN
38	21G12	Shaft Spring Abutment TUBE
39	21G1	Winding Spool FLANGE
	21G2	Flange BUSHING (for Driving Pin)
	21G3	Flange SPRING (for holding paper)
	21G13	TUBE
40	22G1	Winding Spool DRIVING SHAFT
41	22G2	NUT #316



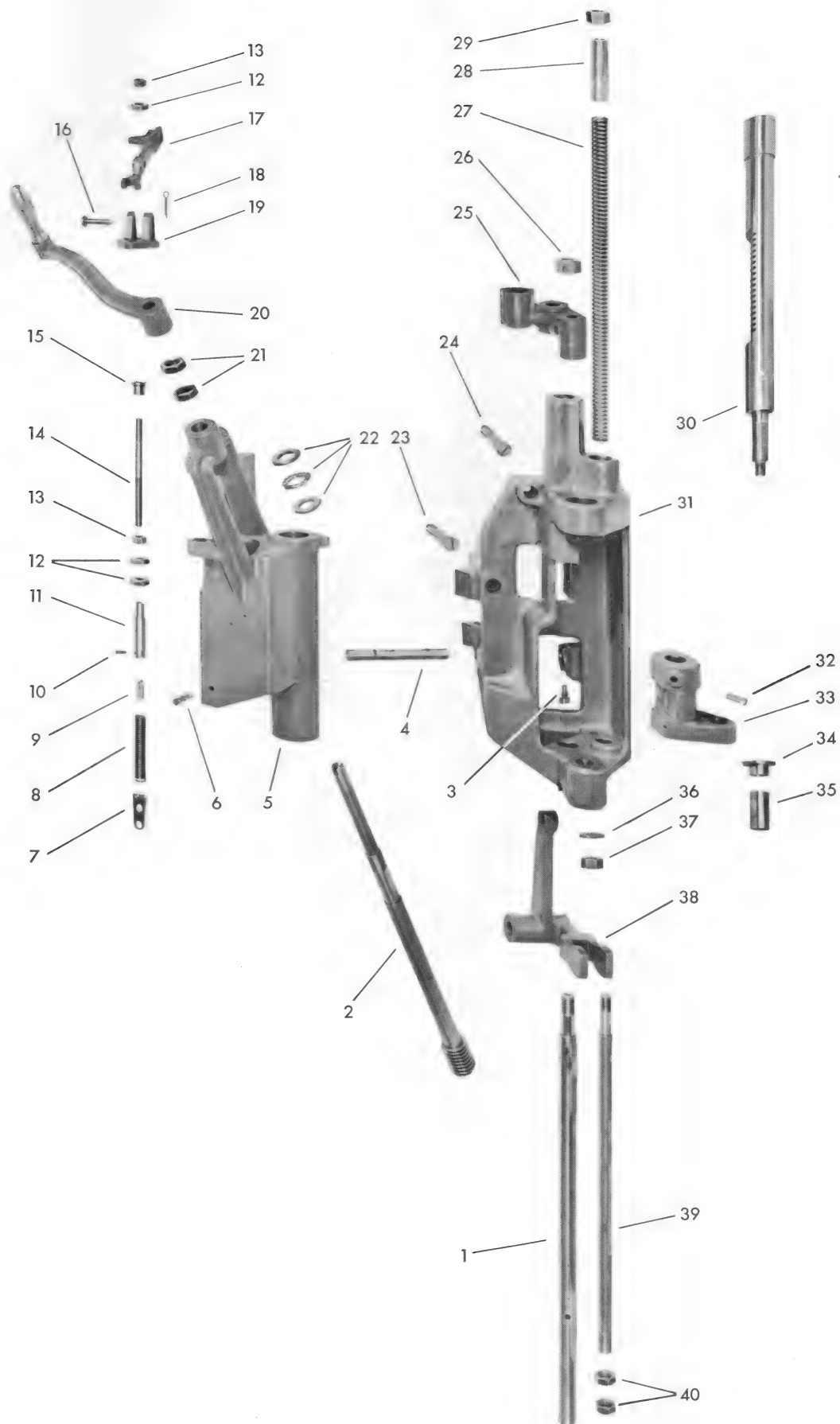
PAPER TOWER—CENTERING & QUADDING

Key	Symbol	Name
1	280E19	Connector NUT (6)
	280E20	Connector SLEEVE (6)
2	280E4	AIR PIPE (repeater release to control box)
3	280E9	AIR PIPE (tee to control box)
4	a1G23	Air Tower HOUSING (front)
	1G16	STUD (for a19G)
	1G19	STOP PIN (for 12G) #837
5	28G19	Cover CONNECTOR (for pipe) (3)
6	28G4	COVER (bottom)
7	28G5	Cover PLUG (2) #2239
8	28G17	Plunger Spring SCREW (2) #249
9	28G16	Plunger SPRING
10	28G11	Lever PIN #7268
11	28G15	PLUNGER (friction pressure on 28G9) #7277
12	28G9	LEVER
13	28G8	Top Cover SCREW (2) #237
14	28G10	Lever ADJUSTING SCREW
15	28G12	Lever SCREW #236
16	28G7	COVER (top)
17	28G14	PISTON (lock)
	28G18	PISTON END
18	28G13	PISTON (feed) (upper)
19	28G20	PISTON (feed) (lower)
20	28G1	CONTROL BOX (repeater paper feed)
21	28G3	SCREW (short) (to air tower housing) #2225
22	28G2	SCREW (long) (to piston block) #2370
23	280E24	AIR PIPE (connecting block 281E1 to control box)
24	28G6	Cover SCREW (3) #238



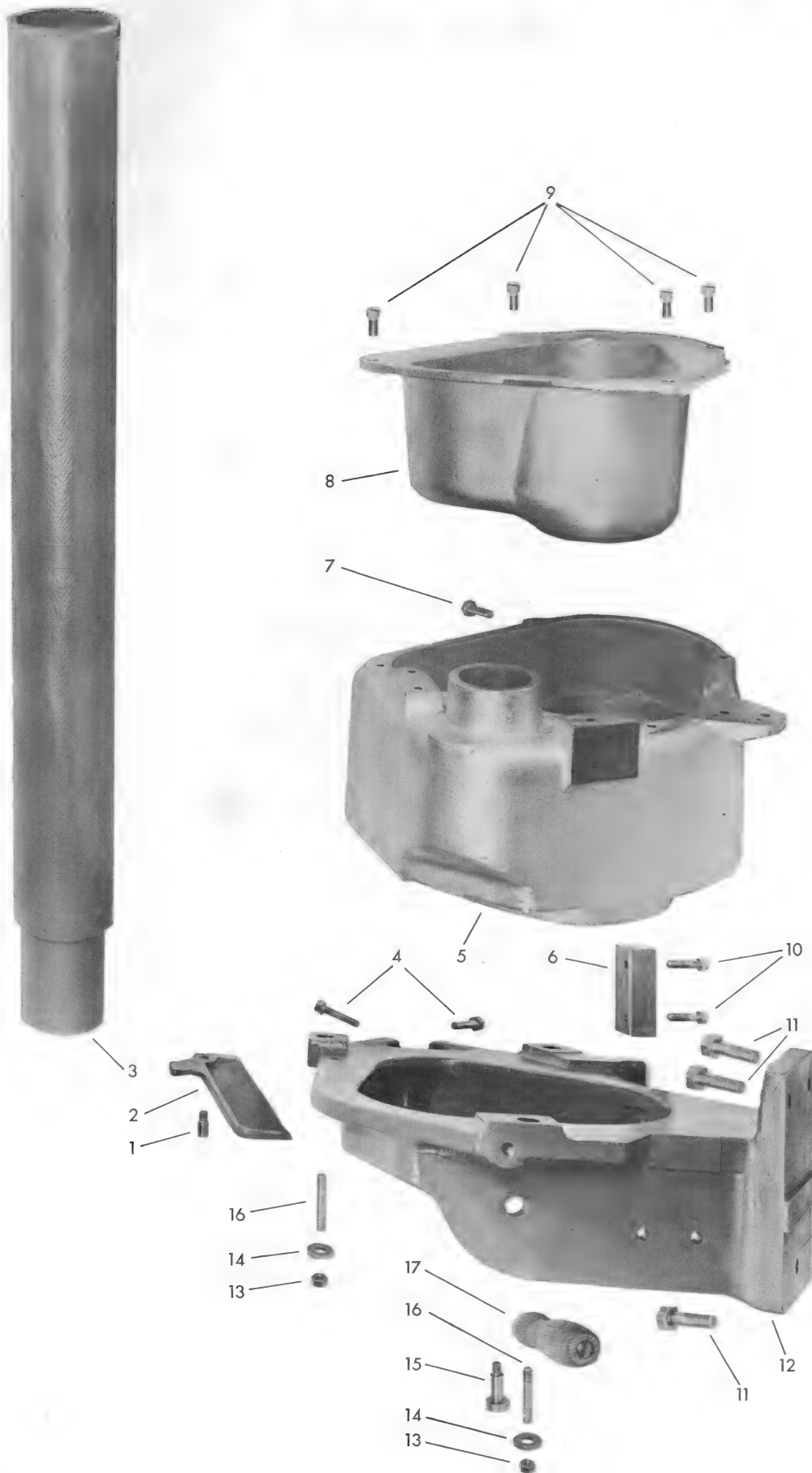
SPACING & DELETING

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	70A3	Bridge Piston Block PISTON
2	70A1	Bridge PISTON BLOCK (on a1A)
3	70A2	Bridge Piston Block SCREW (2) #2393
4	70A4	Bridge Piston Block BACK PLATE
5	70A17	WASHER (2) #492
6	70A5	Bridge Piston Block Back Plate SCREW (4) #2392
7	70A13	Bridge Bell Crank Bearing Bkt. SCREW (2) #2198
8	70A16	SCREW (2) #18
9	70A14	Centering Pin NUT
10	70A15	Centering Pin INNER SPRING
11	27A2	Centering Pin Guide SCREW #247
12	27A1	Centering Pin GUIDE
13	70A12	Bridge Bell Crank Bearing BRACKET
14	70A8	Bridge Leg Bell Crank STUD
15	21E6	Jaw Tongs Lower Bell Crank STUD
16	b21E	Jaw Tongs LOWER BELL CRANK
17	a21E1	Jaw Tongs Lower Bell Crank BALL STUD #848
18	285E20	Valve Block Back Plate ADJUSTING SCREW #2395
19	285E2	Base Plate SCREW (base plate to top stand) (3) #2388
20	285E21	Valve Block Back Plate Adjusting Screw NUT #3004
21	285E6	Base Plate AIR PIPE (base plate to a1G3)
22	285E5	Base Plate AIR PIPE (base plate to a1G3)
23	285E4	Base Plate AIR PIPE (base plate to valve)
24	285E40	Air Pipe Elbow SHUT OFF VALVE
25	285E12	Air Pipe ELBOW
26	285E34	LEATHER PACKING (in 285E12) (2)
27	285E36	Piston SPRING (to pin in clevis) #5-8-11 A
28	285E9	CONNECTOR (3) #280E18
29	285E15	VALVE BLOCK
30	285E33	Valve Block SPRING #5-8-1
31	285E32	Valve Block Piston Link PIN
32	285E31	Valve Block Piston LINK
33	21E7	Jaw Tongs Lower Bell Crank Stud NUT #322
34	285E3	Base Plate AIR PIPE (base plate to connector)
35	285E13	AIR PIPE (connector to plug in top stand)
36	285E14	Air Pipe PLUG (in top stand)
37	70A6	Bridge Piston Block AIR PIPE
38	70A7	Bridge Leg BELL CRANK
39	70A10	Bridge Leg Bell Crank ADJUSTING SCREW #2396
40	70A11	Bridge Leg Bell Crank Adjusting Screw NUT #3004
41	70A9	Bridge Leg Bell Crank Stud NUT #310



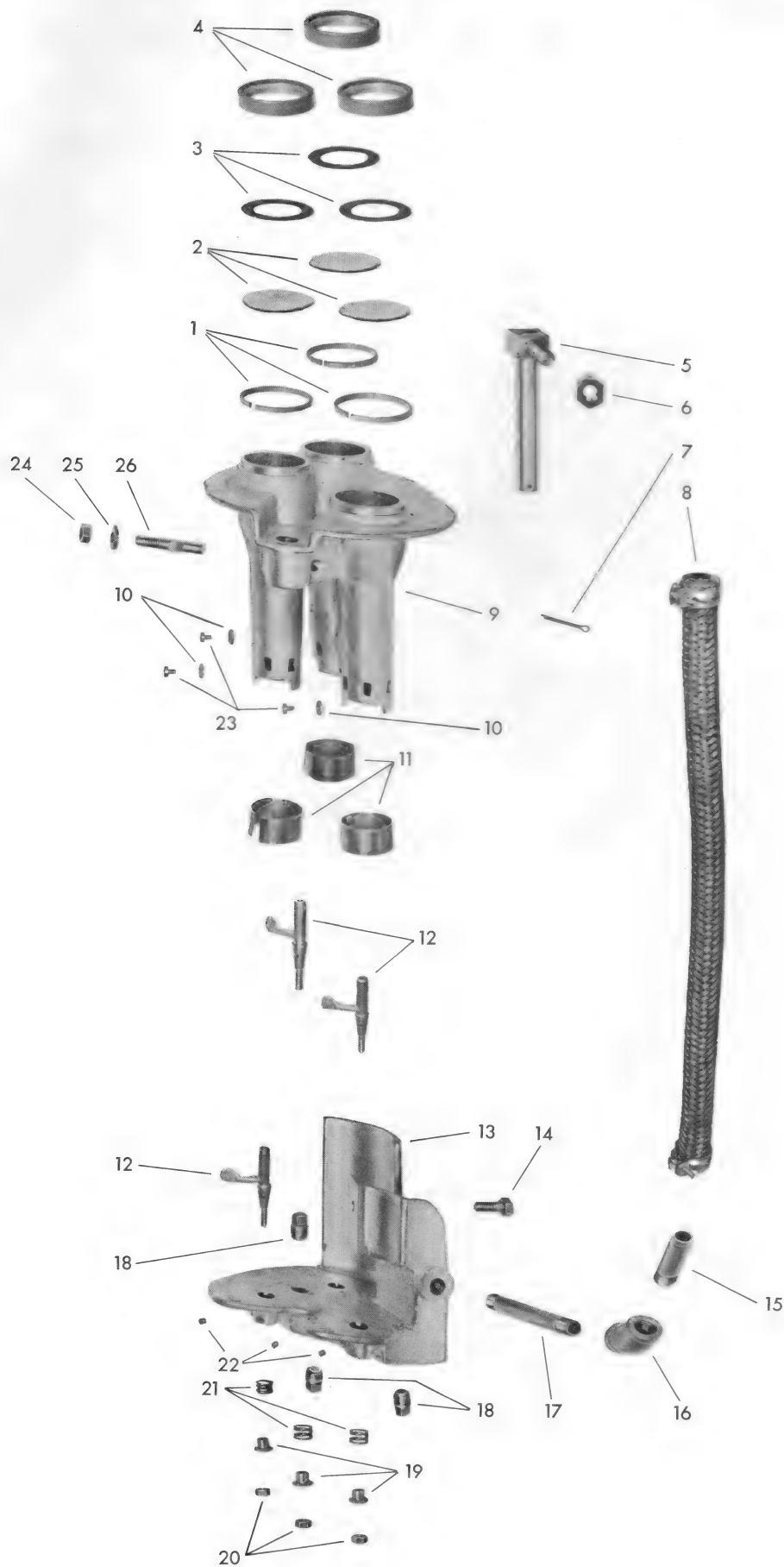
SWING FRAME

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	19H	Piston OPERATING ROD
2	a37H14	WORM SHAFT
3	21H2	Shaft SET SCREW
4	21H1	SHAFT
5	b37H	SWING FRAME (for 12H)
6	a37H6	SPRING POST (for a27H) =883
7	a27H2	PLATE (lower)
8	a27H	Pump Body LIFTING SPRING =6108
9	27H1	PLATE (upper)
10	28H3	Extension PIN #787
11	a28H2	EXTENSION (for 27H1)
12	28H4	NUT (3) #321
13	28H5	Nut LOCK NUT (2) #320
14	a28H	Pump Body OPERATING ROD
15	a37H11	BUSHING
16	29H1	PIN
17	29H	Pump Body Operating Rod LEVER
18	29H2	Pin COTTER #94
19	29H3	STAND
20	b40H	Swing Frame Worm Shaft CRANK
	40H2	HANDLE
	a40H3	PIN #7178
21	a37H15	Worm Shaft NUT (2) #331
22	a37H16	Worm Shaft THRUST BEARING
23	38H4	SCREW (lower) #21
24	38H5	SCREW (upper) #23
25	a19H3	CROSSHEAD (upper, for a18H)
26	19H4	NUT #330
27	31H	Pump Body SPRING #645
28	a31H11	Rod SLEEVE
29	31H10	Rod NUT (upper) #329
30	a39H	Swing Frame SCREW (for raising & lowering 12H)
31	b38H	Swing Frame POST
32	19H2	Crosshead DOWEL #51
33	19H1	CROSSHEAD (lower, for 21H)
34	a39H5	WASHER (large)
35	a39H4	SLEEVE
36	a39H2	WASHER #45
37	a39H1	NUT #327
38	21H	Pump BELL CRANK
39	31H1	ROD
40	31H13	Rod STOP NUT (bottom) (2) #331



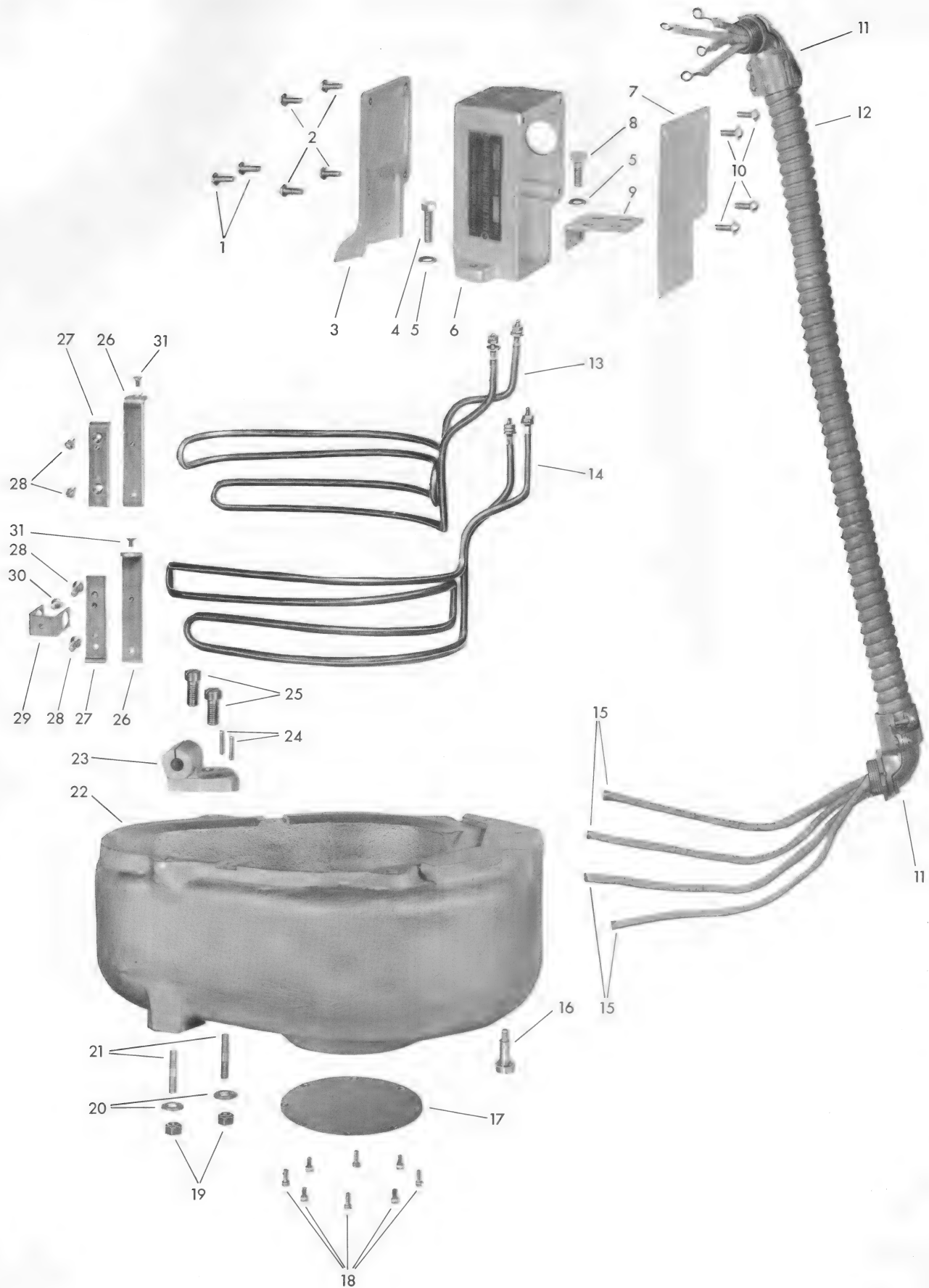
GAS MELTING POT & TABLE

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	a55H28	Shield PIN
2	a55H27	SHIELD
3	13H	Melting Pot CHIMNEY
4	a37H10	ADJUSTING SCREW (short) (2) #136
5	a12H2	Melting Pot CASING (outside)
6	37H1	GUIDE BLOCK
7	a37H9	ADJUSTING SCREW (long) #119
8	a12H	MELTING POT
9	a12H25	SCREW (4) #2198
10	37H2	Guide Block SCREW (2) #222
11	a37H13	Table BOLT (3) #15
12	a37H12	TABLE
13	a12H10	Casing Stud NUT (2) #310
14	a12H11	Casing Stud WASHER (2) #410
15	12H8	Casing SCREW (right)
16	a12H9	Casing STUD (2)
17	37H3	HANDLE
	37H4	Handle STEM
	37H5	Handle Stem NUT



GAS BURNER

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	a55H16	Screen Holder COLLAR (3)
2	a55H14	SCREEN (3)
3	a55H33	Screen DISC (3)
4	a55H15	Screen HOLDER (3)
5	a55H32	Support BOLT
	a55H22	SUPPORT
6	a55H29	Support Bolt NUT #327
7	a55H24	Support COTTER #92
8	49H	GAS HOSE (19½")
9	b55H1	GAS BURNER (3-burner)
10	55H36	Air Regulating Sleeve Screw WASHER (3) #449
11	55H2	Air Regulating SLEEVE (3)
12	55H4	VALVE (3)
	a55H5	Valve NOZZLE (3)
13	a55H9	VALVE BODY
14	55H10	Valve Body BOLT #113
15	55H19	Valve Body Pipe Elbow NIPPLE (gal. iron)
16	55H18	Valve Body Pipe ELBOW (45 degree)
17	55H17	Valve Body PIPE (gal. iron ¼" x 3¾")
18	55H12	Valve Body PLUG (¼" iron) (3)
19	55H7	Valve NUT (3)
20	55H8	Valve Nut LOCK NUT (3) #392
21	55H6	Valve SPRING (3) #6185
22	55H11	Valve Body PLUG (.190" brass) (3) #2235
23	a55H3	Air Regulating Sleeve SCREW (3) #2167
24	a55H21	Clamp NUT #319
25	a55H31	Clamp WASHER #49
26	a55H20	CLAMP



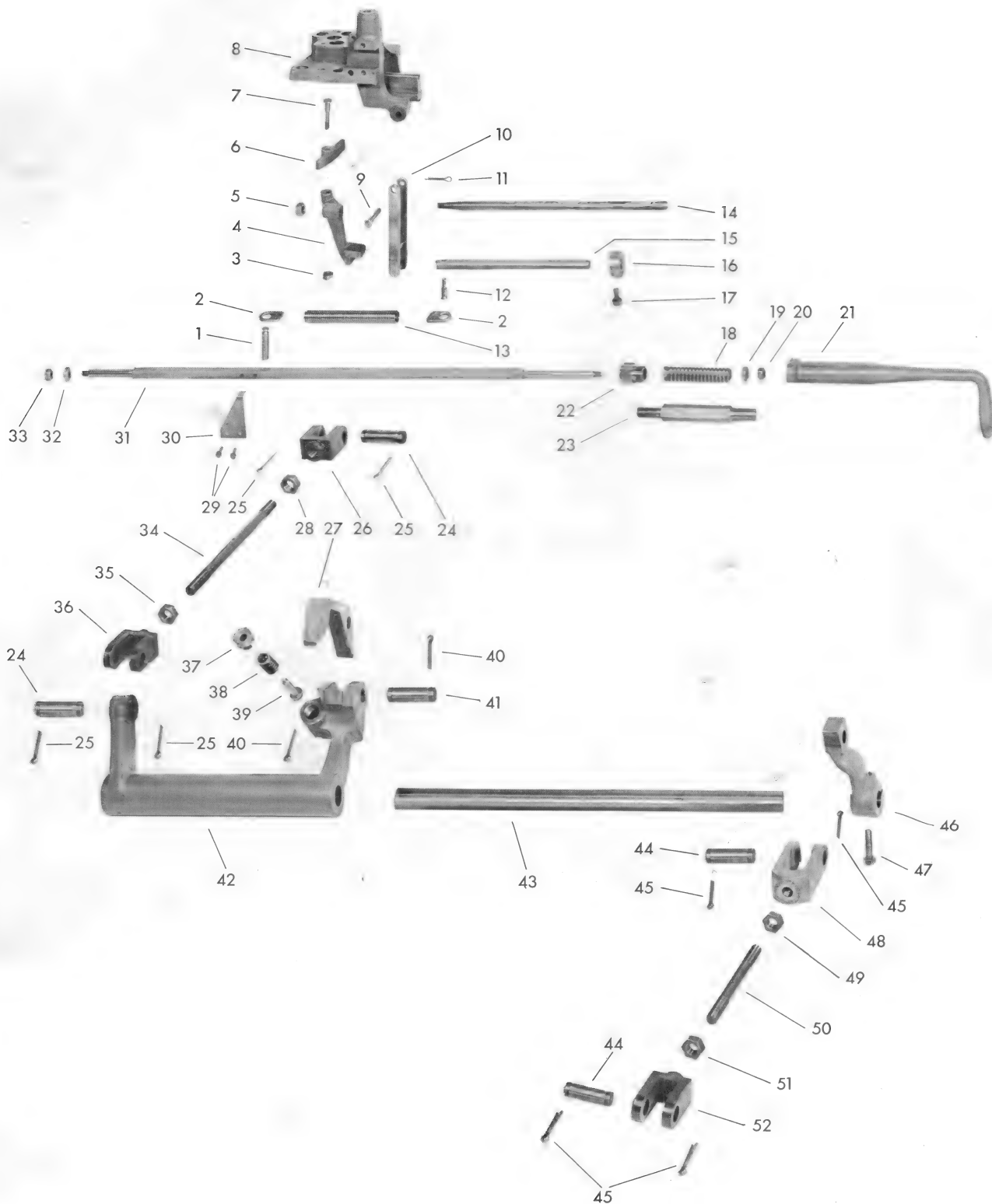
ELECTRIC MELTING POT

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	a12H55	Heating Unit Support Bracket SCREW (2) #D2554
2	a12H48	Heating Unit Terminal Box Cover SCREW (4) #D2554
3	a12H47	Heating Unit Terminal Box COVER (front)
4	a12H52	Heating Unit Terminal Box SCREW (base) #121
5	a12H53	Heating Unit Terminal Box Screw LOCKWASHER (2) #485
6	b12H46	Heating Unit Terminal BOX
7	a12H49	Heating Unit Terminal Box COVER (back)
8	a12H51	Heating Unit Terminal Box SCREW (base) #172
9	a12H54	Heating Unit SUPPORT BRACKET
10	a12H50	Heating Unit Terminal Box Cover SCREW (4) #D2554
11	a12H64	CONNECTOR (angle $\frac{3}{4}$ ") (2)
12	a12H65	CONDUIT
13	a12H93H	HEATING UNIT (left)
14	a12H92H	HEATING UNIT (right)
15	a12H66	WIRE
16	12H8	Casing SCREW (right)
17	a12H14	Casing PLATE
18	a12H15	Casing Plate SCREW (8) #2203
19	a12H10	Casing Stud NUT (2) #310
20	a12H11	Casing Stud WASHER (2) #410
21	a12H9	Casing STUD (2)
22	b12H12	MELTING POT
	a12H13	CASING
	a12H23	Asbestos ROPE GASKET
	a12H25	SCREW (4)
	a12H67	INSULATING POWDER
	a12H68	GLUE
	a12H69	ASBESTOS PAPER
23	a12H18	Casing BRACKET
24	a12H20	Casing Bracket DOWEL (2)
25	a12H19	Casing Bracket SCREW (2)
26	a12H42	Heating Unit SUPPORT (2)
27	a12H44	Heating Unit CLAMP (2)
28	a12H45	Heating Unit Clamp SCREW (4) #D2655
29	a12H58	Temperature Control BULB SOCKET
30	a12H59	Temperature Control Bulb Socket SCREW #D2550
31	a12H43	Heating Unit Support SCREW (2) #D2652



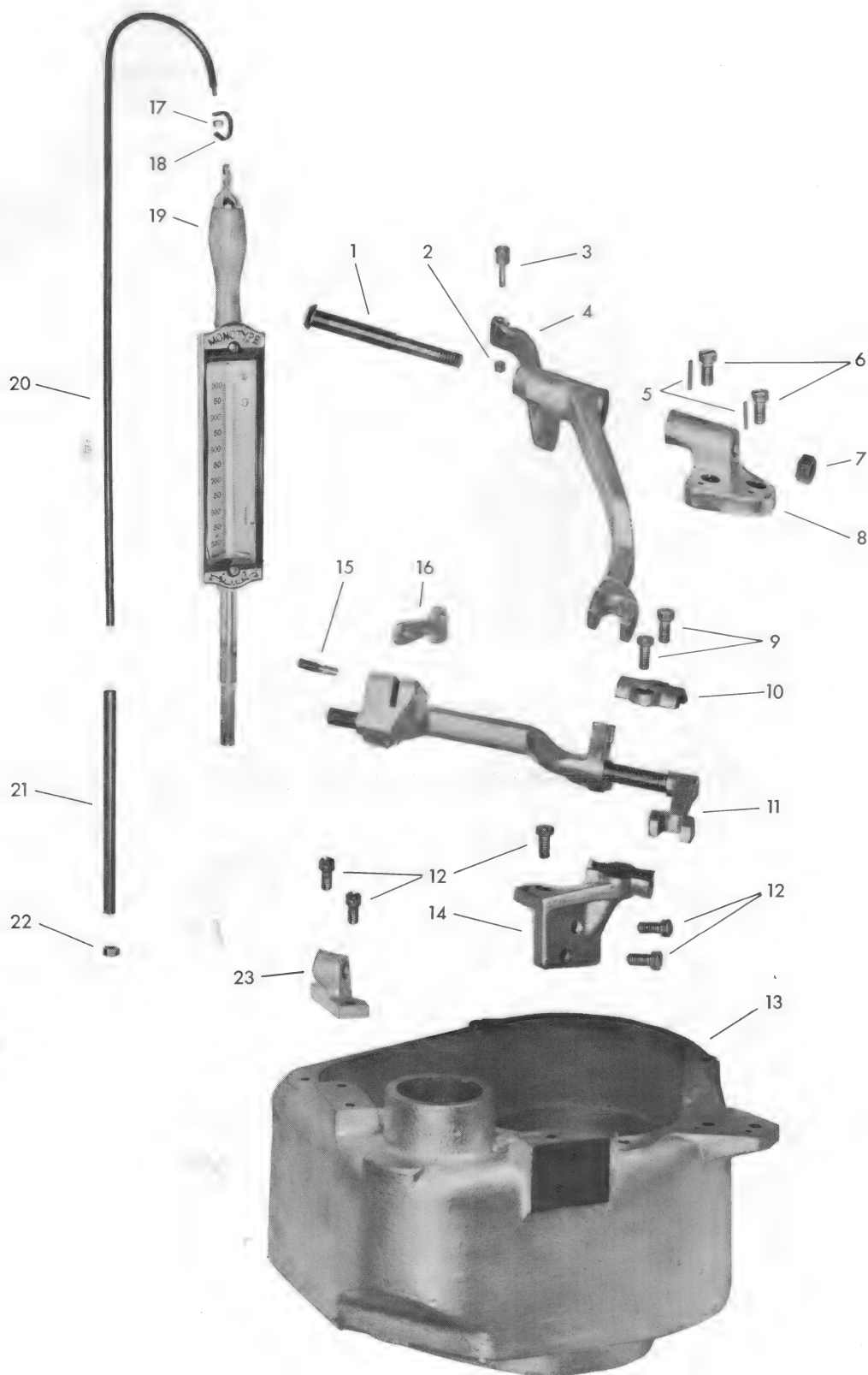
PARTLOW CONTROL FOR ELECTRIC POT

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	72L	PARTLOW TEMPERATURE CONTROL
2	72L6	Mounting BRACKET SET SCREW #2384
3	a72L2	MOUNTING BRACKET
4	72L8	Mounting Bracket SCREW (2) #2198
5	72L11	MERCURY ELEMENT (30")
6	a12H62	Control Box BRACKET
7	a12H63	Control Box Bracket SET SCREW #D1125
8	a12H61	Control Box SCREW (2) #D2515
9	a12H60	CONTROL BOX



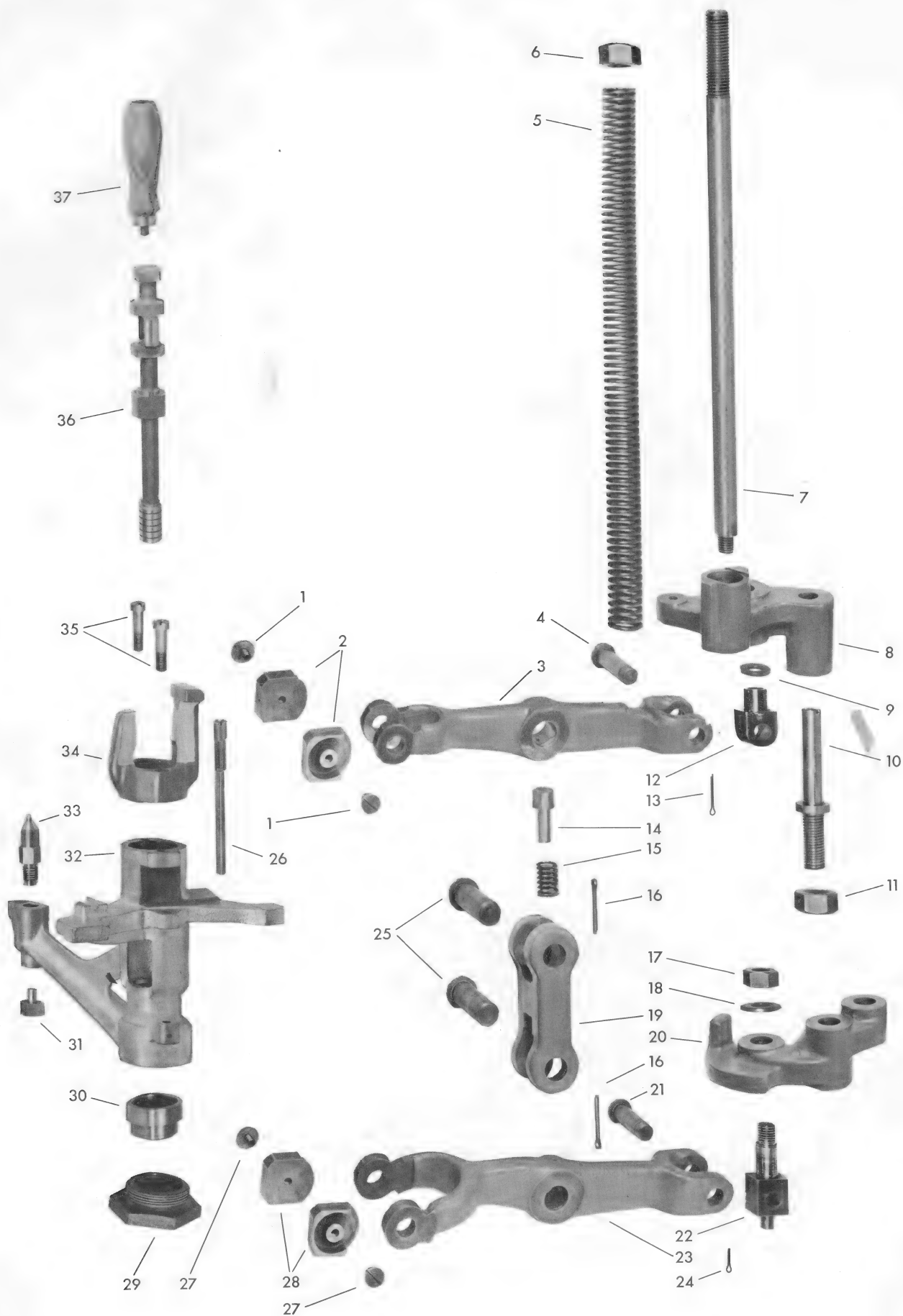
PUMP OPERATING MECHANISM

Key	Symbol	Name
1	51D	Pump Trip Tube SPRING POST (in a36E51) #893
2	50D1	PLATE (2)
3	9D3	Rock Lever Fulcrum Pin NUT #35
4	a9D	Galley Trip Rod ARM
5	8D1	NUT #310
6	9D1	ROCK LEVER
7	9D2	Rock Lever FULCRUM PIN
8	c3D	Air Pin BLOCK (justification)
9	48D1	FULCRUM PIN
10	48D	Pump Trip OPERATING LEVER (2)
	48D3	SEPARATING PIN (2)
11	48D2	Fulcrum Pin COTTER #95
12	49D3	SPRING POST #840
13	50D	Pump Trip SPRING #628
14	a8D	Galley TRIP ROD
15	a49D	Pump Trip TUBE
16	49D1	COLLAR
17	49D2	Collar SET SCREW #122
18	35H9	Handle SPRING #643
19	a35H11	Rod STOP WASHER #413
20	b35H10	Rod STOP NUT #310
21	a35H12	HANDLE
22	35H8	Handle NUT
23	a31F7	STUD (stop for a35H12)
24	22H5	Eye PIN (2)
25	22H6	Eye Pin COTTER (4) #91
26	22H3	EYE (left hand)
27	33H1	LATCH
28	22H4	Eye LOCK NUT (left hand) #325
29	a35H5	Rod PLATE RIVET (2) #7141
30	35H4	Rod PLATE
31	b35H1	Pump Trip ROD
32	35H3	Rod WASHER #415
33	35H2	Rod NUT #310
34	22H	Pump Bell Crank CONNECTING ROD
35	22H2	Eye LOCK NUT #324
36	22H1	EYE
37	a33H8	PLUG
38	a33H6	Plunger SPRING #6114
39	a33H4	PLUNGER
40	33H3	Latch Pin COTTER (2) #91
41	33H2	Latch PIN
42	a33H	Pump ROCKER ARM
43	33H7	SHAFT
44	68E5	Eye PIN (2)
45	68E6	Eye Pin COTTER (4) #91
46	34H	Pump OPERATING LEVER (engaged by 33H1)
47	34H1	CLAMP BOLT #110
48	68E3	EYE
49	68E4	Eye LOCK NUT #324
50	68E	Pump Cam Lever CONNECTING ROD
51	68E2	Eye LOCK NUT (left hand) #325
52	68E1	EYE (left hand)



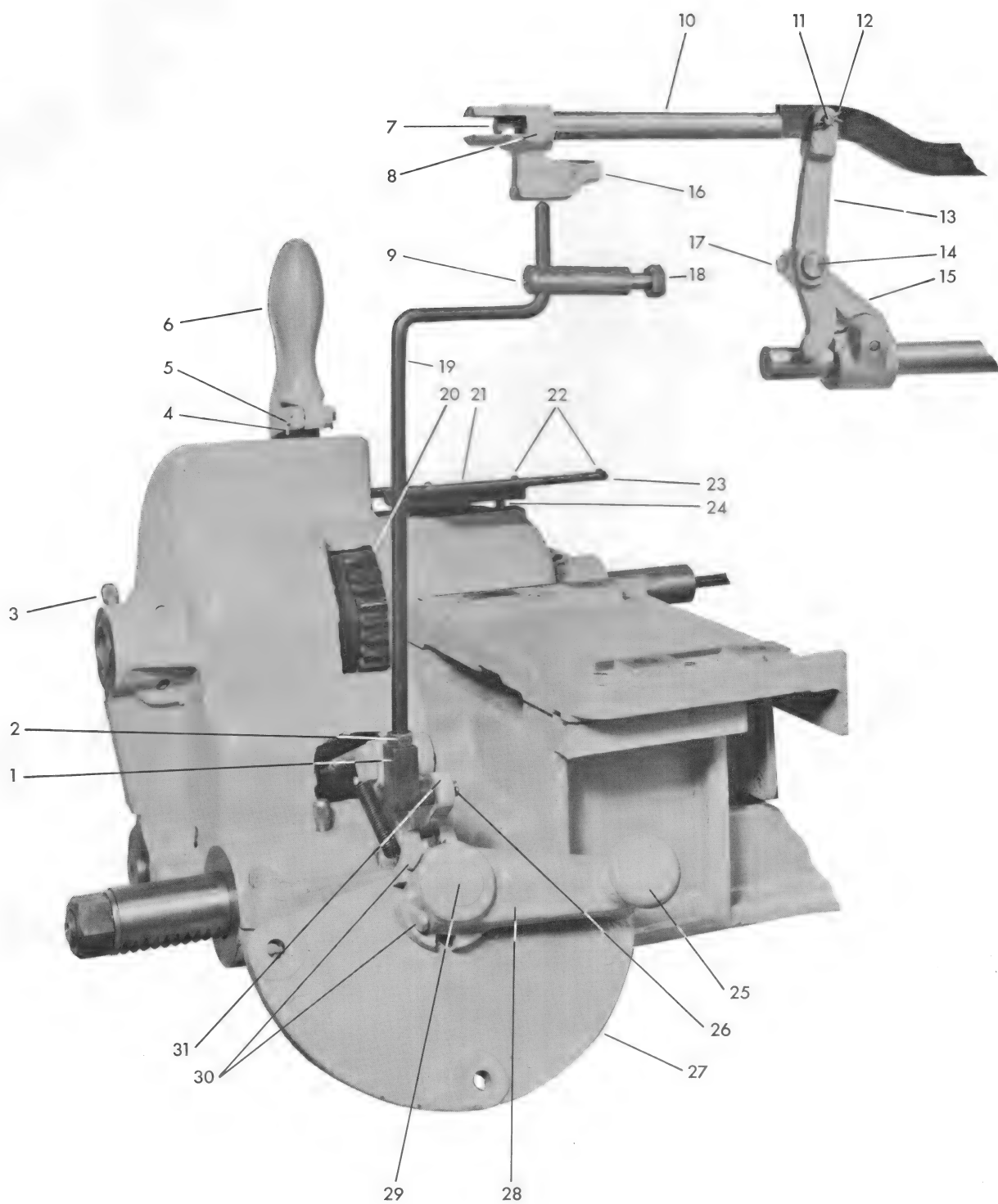
PUMP LEVERS & THERMOMETER

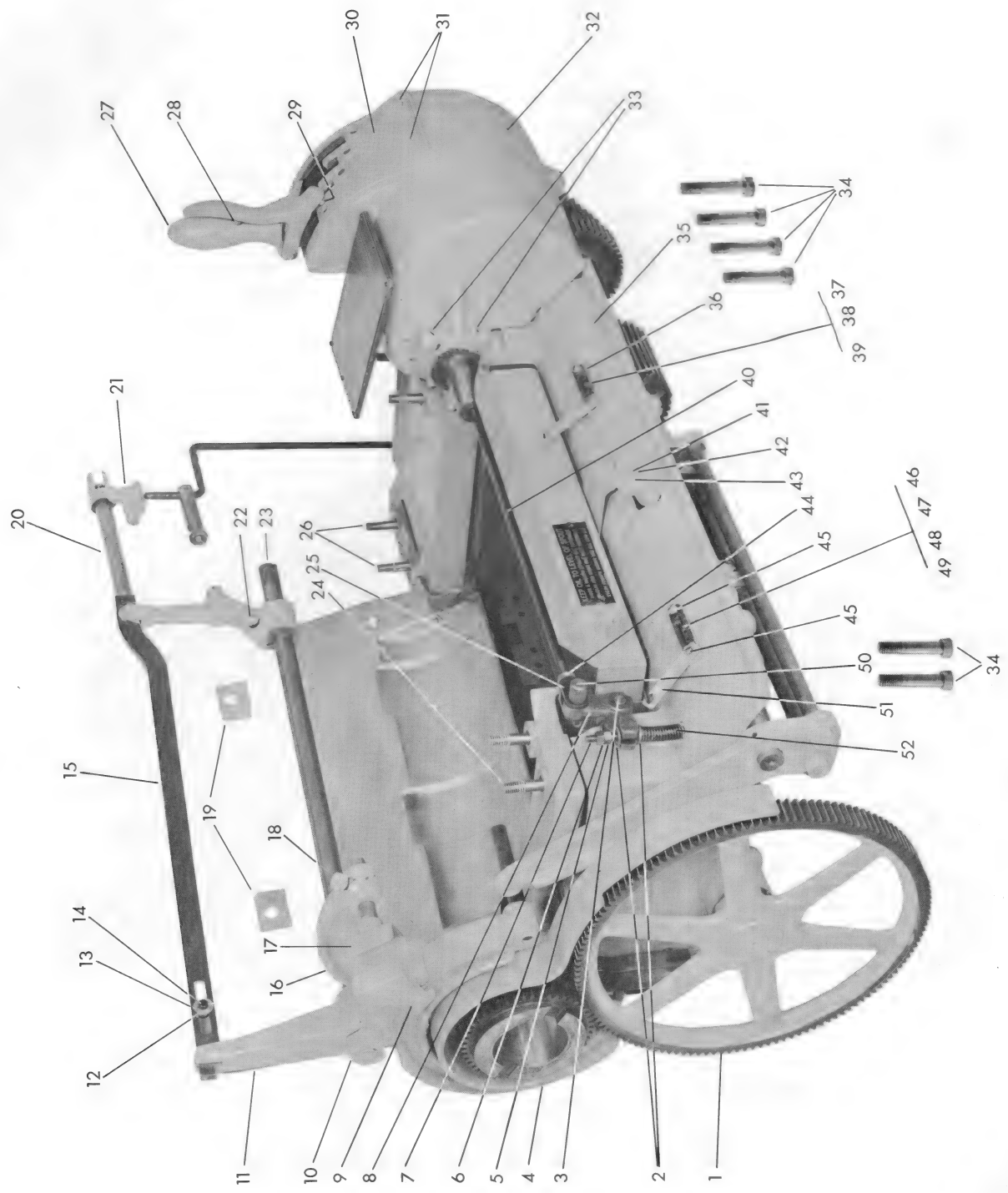
<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	26H1	STUD
2	a26H4	Pin NUT #35
3	a26H3	PIN (bearing for 23HH)
4	a26H	Pump Body LIFTING LEVER (nozzle end)
5	a12H20	Casing Bracket DOWEL (2) #58
6	a12H19	Casing Bracket SCREW (2) #216
7	26H2	Stud NUT #322
8	a12H18	Casing BRACKET
9	25H6	Stand Cap SCREW (2) #223
10	25H5	Stand CAP
11	25H	Pump Body LIFTING LEVER (piston end)
12	25H7	Stand SCREW (5) #223
13	a12H2	CASING
14	25H4	STAND (rear, on a12H)
15	25H2	Locating Latch SCREW
16	25H1	LOCATING LATCH
17	a41H4	Support Hook NUT #33
18	a41H3	Support HOOK
19	b41H	THERMOMETER
20	a41H2	SUPPORT
21	a41H6	Support SLEEVE (support for mold oiler)
22	a41H5	Support LOCK NUT #310
23	25H3	STAND (front, on a12H)



PUMP BODY & PISTON LEVERS

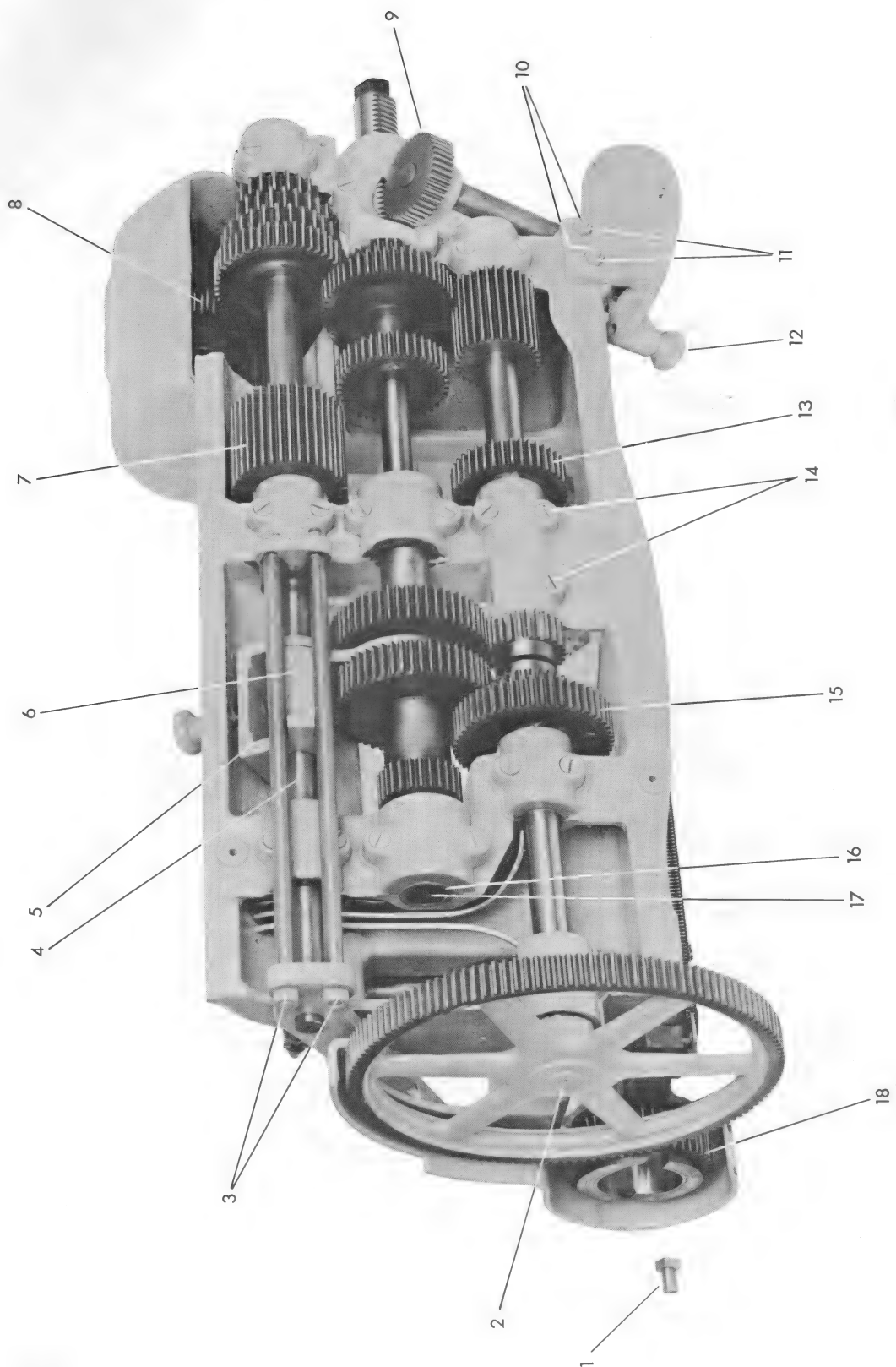
<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	a18H3	Bearing SCREW (2)
2	a18H1	BEARING (2)
3	a18H	PISTON LEVER
4	20H3	Rod Eye PIN #847
5	20H	Piston SPRING #644
6	20H5	Rod NUT #329
7	20H1	ROD
8	a19H3	CROSSHEAD (upper, for a18H)
9	a20H6	WASHER #46
10	31H8	Rod Crosshead STOP
11	31H9	Rod Crosshead Stop NUT #329
12	a20H2	Rod EYE
13	20H4	Rod Eye Pin COTTER #93
14	32H3	PLUNGER
15	32H4	Plunger SPRING #663
16	32H2	Pin COTTER (2) #92
17	31H4	Rod Crosshead Eye NUT #327
18	31H7	Rod Crosshead Eye WASHER #45
19	32H	Pump Lever CONNECTING LINK
20	31H2	Rod CROSSHEAD
21	31H5	Rod Crosshead Eye PIN #847
22	a31H3	Rod Crosshead EYE
23	a24H	Pump Body LEVER
24	31H6	Rod Crosshead Eye Pin COTTER #93
25	32H1	PIN (2)
26	23H5	REGULATING SCREW (for flow of metal)
27	a24H3	Bearing SCREW (2)
28	a24H1	BEARING (2)
29	23H4	PLUG (bottom)
30	23H6	VALVE
31	23H1	BEARING (nozzle end, for a26HH)
32	23H	PUMP BODY
33	14H	NOZZLE
34	23H2	GUIDE (and stop for 17H)
35	23H3	Guide SCREW (2) #220
36	17H	PISTON
37	17H1	HANDLE
	17H2	Handle STEM #850
	17H3	Handle Stem NUT #314





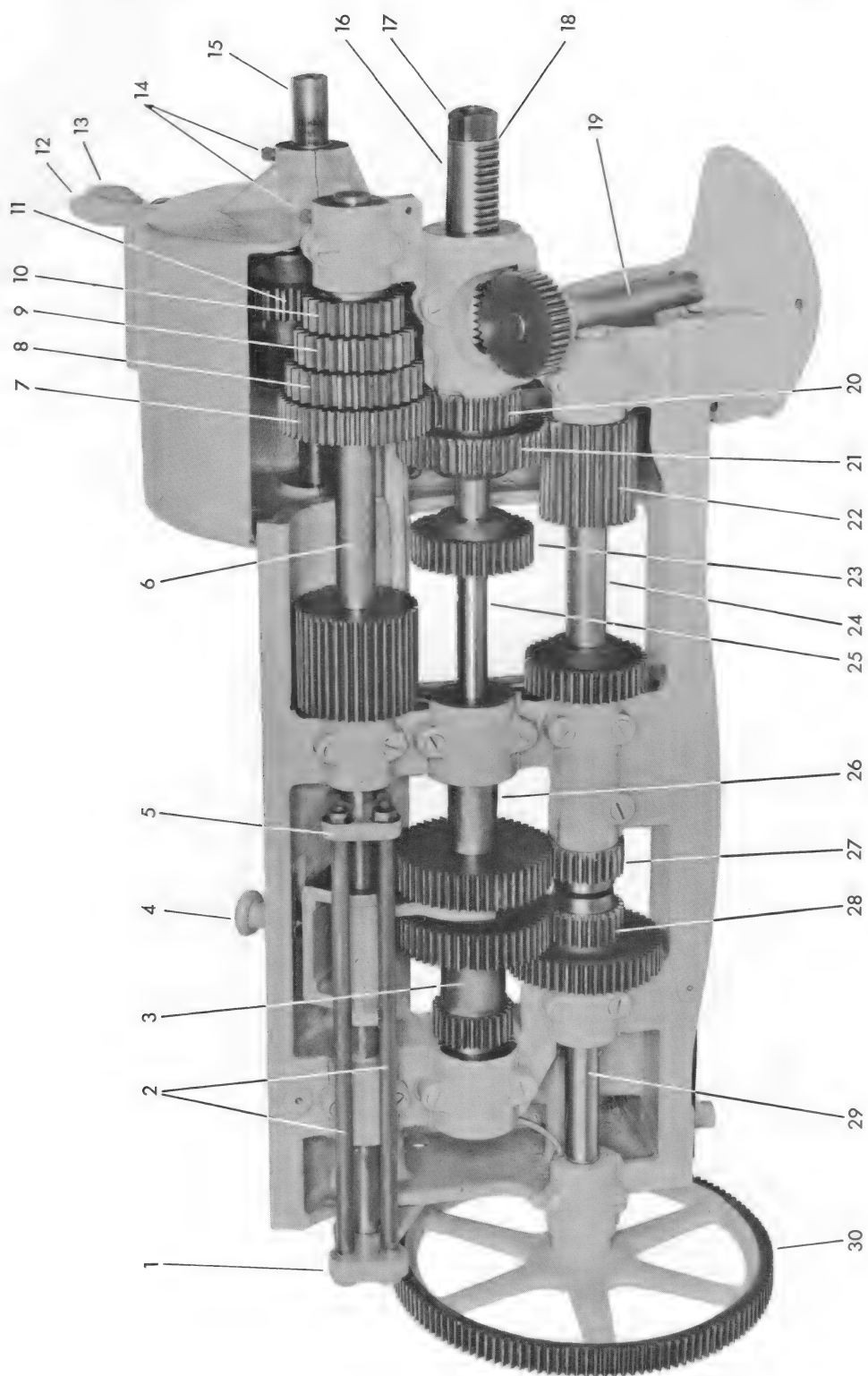
DISPLAY TYPE ATTACHMENT 9CU (Continued)

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	125E3	GEAR (large, rear)
2	122E18	Guide Post WASHER (2) #413
3	a101E1E	Clutch CONTROL SHAFT ASSEMBLY
4	104E1	Clutch GEAR
5	122E15	Guide Post NUT #310
6	122E16	Guide Post Nut LOCK NUT #312
7	122E14	Guide POST (for 101E2)
8	101E2	BELL CRANK
9	a3E6	CLAMP
10	a6E4	NUT #329
11	b5E3	Belt Shifter RING
12	98E3	WASHER (3) #412
13	98E2	COTTER (2) #96
14	a98E1	Belt Shifter Operating Bar CONNECTING ROD
15	a97E1	Belt Shifter OPERATING BAR
16	a3E5	Belt Shifter ARM
17	4E	Belt Shifter EYE
18	3E1	SET SCREW #116
19	168E1	Cam Shaft Stand PACKING PIECE (2)
20	a37F4	Operating Lever SPRING BOX
21	a37F5	CAM
22	100E3	Bracket CLAMP SCREW #213
23	a6E3	Belt Shifter Ring ROD
24	130E1	Speed Bracket SCREW (long, to a12EE) #2217
25	102E2	EYE
26	116E1	Oil Pan Shelf Bracket BOLT (7) #2216
27	133E1E	TUMBLER ASSEMBLY
28	133E7	Latch SPRING #6153
29	133E8	Latch STOP PIN
30	122E35	Tumbler Housing STOP PLATE
31	122E36	Tumbler Housing Stop Plate RIVET (2) #7179
32	a122E33	TUMBLER HOUSING
33	122E34	Tumbler Housing SCREW (4) #28
34	130E2	SCREW (short, to 115E2 and 115E3) (6) #27
35	a122E1E	SPEED BRACKET ASSEMBLY
36	a122E19	Oil Pipe Cover BASE (2)
37	122E27	OIL PIPE (to middle bearing for 123E1)
38	122E28	OIL PIPE (to front bearing for 120E1)
39	122E29	OIL PIPE (to rear bearing for 124E1)
40	102E1	Clutch Control OPERATING ROD
41	119E4	POST
42	119E5	Post NUT #35
43	119E6	Post WASHER #446
44	102E3	NUT #314
45	a122E21	Oil Hole Cover SCREW (4)
46	122E23	OIL PIPE (to rear bearing for 125E1)
47	122E24	OIL PIPE (to front bearing for 125E1)
48	122E25	OIL PIPE (to rear bearing for 120E1)
49	122E26	OIL PIPE (to rear bearing for 123E1)
50	103E1E	Clutch Control Operating Rod Eye PIN ASSEMBLY
51	122E20	Oil Hole COVER (2)
52	122E17	Guide Post SPRING #6154



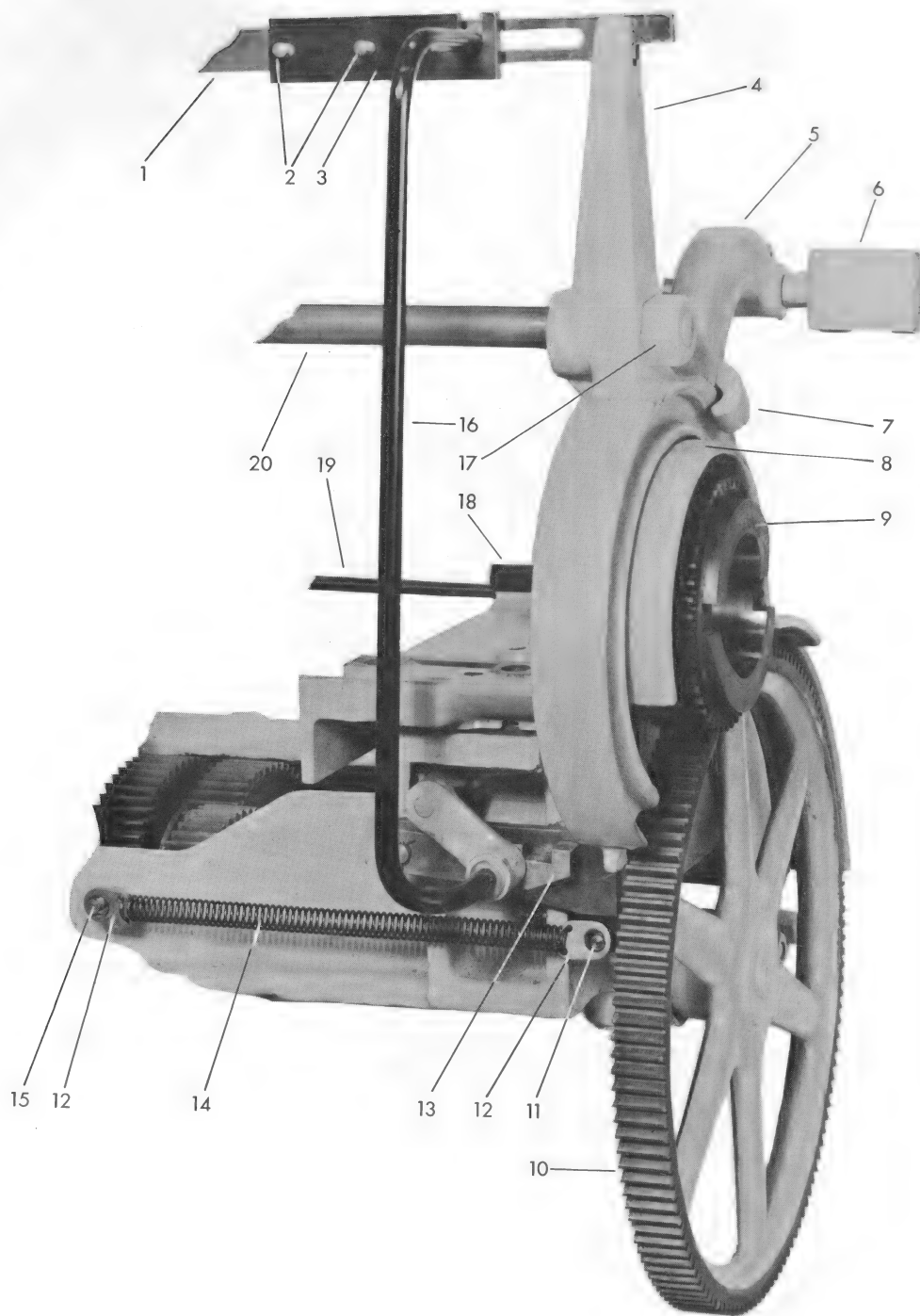
DISPLAY TYPE ATTACHMENT 9CU (Continued)

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	a65E3	PIN
2	125E1	Speed Bracket DRIVING SHAFT (rear)
3	121E4	Rod NUT (4) #319
4	123E1	Speed Bracket Cone SHAFT
5	119E1E	Sliding Gear Shifter YOKE ASSEMBLY
6	118E1	Sliding Gear SHIFTER
7	123E8	PINION (long)
8	133E13	PINION
9	129E8	PINION
10	127E1	Speed Bracket Quadrant BOLT (2) #110
11	128E1	Speed Bracket Quadrant Bolt NUT (2) #314
12	129E4	Lever HANDLE
13	124E2	GEAR (large, middle)
14	122E11	Cap SCREW (for 122E2 to 122E10 inclusive) (19) #28
15	125E2	GEAR (medium, middle)
16	120E1E	Sliding Gear HOLLOW SHAFT ASSEMBLY
17	120E3	PLUG (wood)
18	104E1	Clutch GEAR



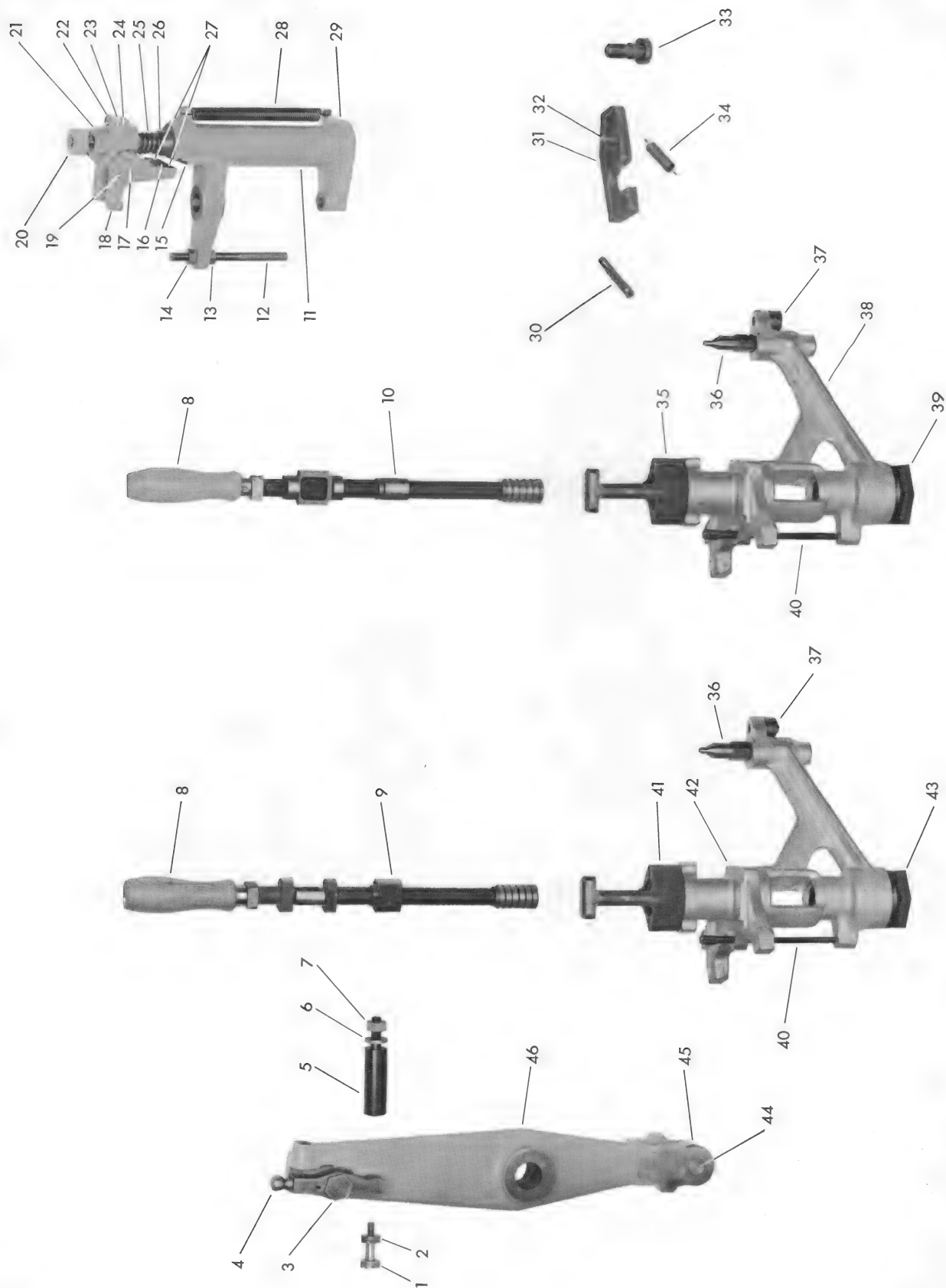
DISPLAY TYPE ATTACHMENT 9CU (Continued)

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	121E1	Sliding Gear SAFETY LEVER
2	121E2	ROD (2)
3	117E1	SLIDING GEAR
4	119E2	HANDLE
5	121E3	Rod HANGER
6	123E1	Speed Bracket Cone SHAFT
7	123E5	GEAR (large)
8	123E4	Cone GEAR (large)
9	123E3	Cone GEAR (medium)
10	123E2	Cone GEAR (small)
11	133E2	IDLER
12	133E4E	LATCH ASSEMBLY
13	133E1E	TUMBLER ASSEMBLY
14	122E37	WINKLEY OILER (5)
15	133E14	Pinion SHAFT (also fulcrum for 133E1E)
16	131E7	RACK
17	131E5	NUT #330
18	131E8	WASHER #444
19	129E1	Speed Bracket Quadrant SHAFT
20	131E6	PINION (small, front)
21	131E2	GEAR (large, middle)
22	124E5	PINION (long, front)
23	131E3	GEAR (medium, rear)
24	124E1	Speed Bracket DRIVING SHAFT (front)
25	131E1	Speed Bracket SLIDING SHAFT
26	120E1E	Sliding Gear HOLLOW SHAFT ASSEMBLY
27	124E6	PINION (small, rear)
28	125E5	PINION (small, front)
29	125E1	Speed Bracket DRIVING SHAFT (rear)
30	125E3	GEAR (large, rear)



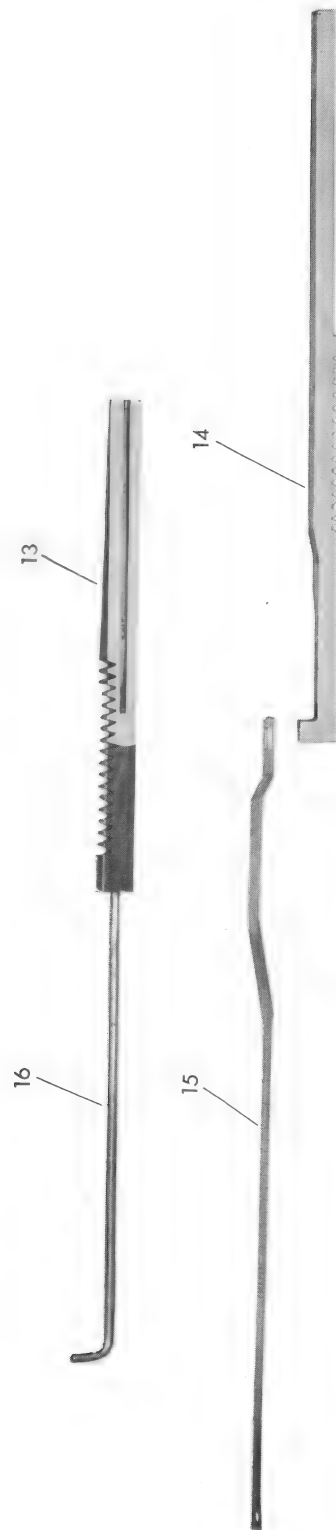
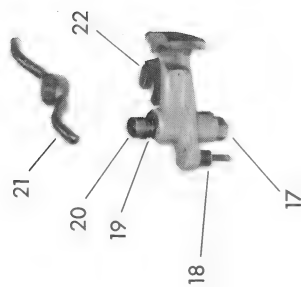
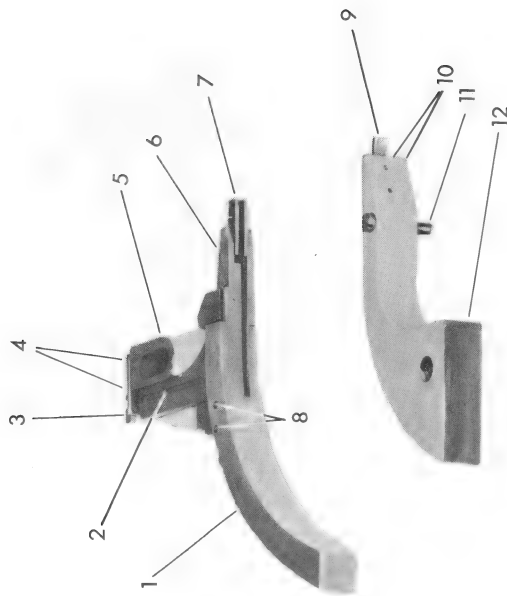
DISPLAY TYPE ATTACHMENT 9CU (Continued)

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	a97E1	Belt Shifter OPERATING BAR
2	99E2	SCREW (2) #223
3	99E1	Belt Shifter Operating Bar Connecting Rod GUIDE
4	b5E3	Belt Shifter RING
5	a3E5	Belt Shifter ARM
6	4E	Belt Shifter EYE
7	a3E6	CLAMP
8	107E1	Gear COVER (rear)
9	104E1	Clutch GEAR
10	125E3	GEAR (large, rear)
11	105E9	SPRING PIN
12	a106E2	PLATE (2)
13	a105E7	Plate LEVER (for engaging b5E3)
14	a106E1	Clutch Shifter SPRING #628
15	122E31	SPRING POST (for X106E) #891
16	a98E1	Belt Shifter Operating Bar CONNECTING ROD
17	a6E4	NUT #329
18	5E2	PIN
19	102E1	Clutch Control OPERATING ROD
20	a6E3	Belt Shifter Ring ROD



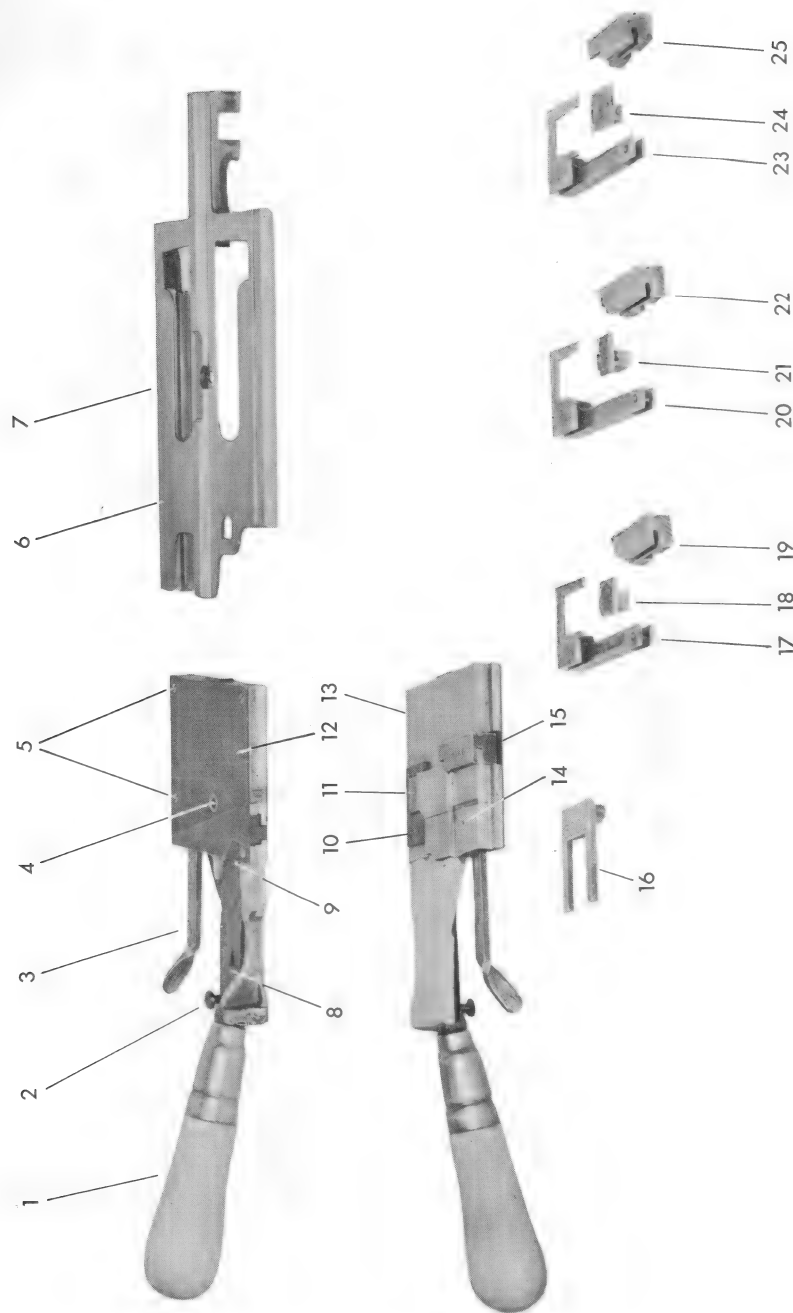
DISPLAY TYPE ATTACHMENT 9CU (Continued)

Key	Symbol	Name
1	a44E8	Compound Lever LOCKING SCREW
2	b44E9	Compound Lever Locking Screw COLLAR
3	a44E10	Compound Lever STUD
4	b44E7	COMPOUND LEVER
5	96E1	Mold Blade Cam Lever Compound Lever ABUTMENT
6	96E3	WASHER #49
7	96E2	NUT #319
8	17H1H	PISTON HANDLE ASSEMBLY
9	a17H5	PISTON (for Display Type)
10	a17H7	PISTON (1 $\frac{1}{16}$ " Dia.)
11	58H1	LATCH ABUTMENT
12	a19H5	Piston Operating Rod Crosshead STUD
13	a19H6	Stud NUT #314
14	a19H7	Stud Nut LOCK NUT #315
15	58H2	PLATE
16	57H2	PLATE
17	60H1	Latch PIN
18	57H1	LATCH
19	60H2	COTTER #96
20	62H5	Shaft Nut LOCK NUT #391
21	62H4	Shaft NUT #327
22	61H1	Latch SPRING #6101
23	62H1	Latch STAND
24	62H7	Latch Stand SPRING PIN (for 61H1)
25	62H6	Shaft SPRING #6106
26	62H2	SHAFT
27	57H3	Plate SCREW (2) #244
28	59H1	Latch Abutment SPRING #6107
29	62H3	Shaft ARM
30	a38H6	Swing Frame Post SPRING POST (for 64H1) #894
31	63H1H	Pump Body Spring Rod STOP BLOCK ASSEMBLY
32	63H2	SPRING POST #840
33	63H3	STUD
34	64H1	Pump Body Spring Rod Stop Block SPRING #623
35	a23H10	GUIDE
36	a14H2	NOZZLE ($\frac{1}{2}$ ") (for Display Type)
37	23H1	BEARING
38	a23H9H	PUMP BODY (1 $\frac{1}{16}$ ") ASSEMBLY
39	a23H13	PLUG
40	23H5	REGULATING SCREW
41	23H2	GUIDE (and stop for 17H)
42	23HH	PUMP BODY ASSEMBLY
43	23H4	PLUG (bottom)
44	44E5	Roller PIN
45	44E4	ROLLER
46	a44E6E	Mold Blade Cam LEVER ASSEMBLY



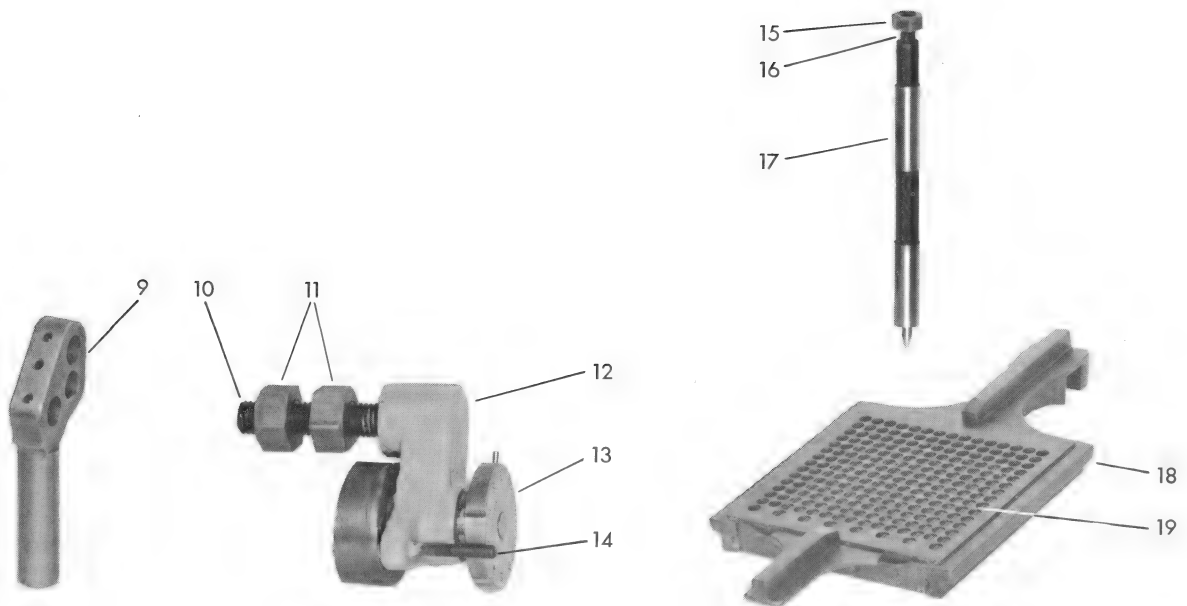
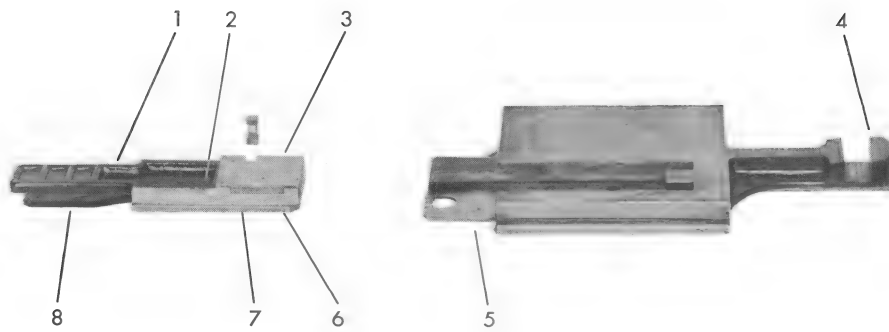
DISPLAY TYPE ATTACHMENT 9CU (Continued)

Key	Symbol	Name
1	a50F17	Clamp TYPE GUIDE
2	50F5	Clamp TONGUE
3	50F9	STOP PLATE
4	50F10	Stop Plate SCREW (2) #250
5	50F	TYPE CHANNEL BLOCK (adjustable) (curved channel)
6	a50F14F	CLAMP ASSEMBLY
7	a50F15	Clamp LATCH
8	50F3	Clamp Latch PIN (3) #7116
9	a51F11	LATCH
10	a50F12	Latch SCREW (2) #260
11	a51F13	SCREW (rear) #231
12	a51F10	TYPE CHANNEL BLOCK (fixed)
13	b21D1	NORMAL WEDGE
14	a11D1	JUSTIFICATION WEDGE
15	a69D1	Justification & Normal Wedge GAGE
16	b21D2	HANDLE
17	140E5	Stud NUT #35
18	a140E2	PIN
19	140E3	SPRING #6136
20	140E4	STUD
21	a14B12	Normal Wedge Locking Pin LIFTING HANDLE
22	a140E1	Centering Pin Lever GAG BLOCK



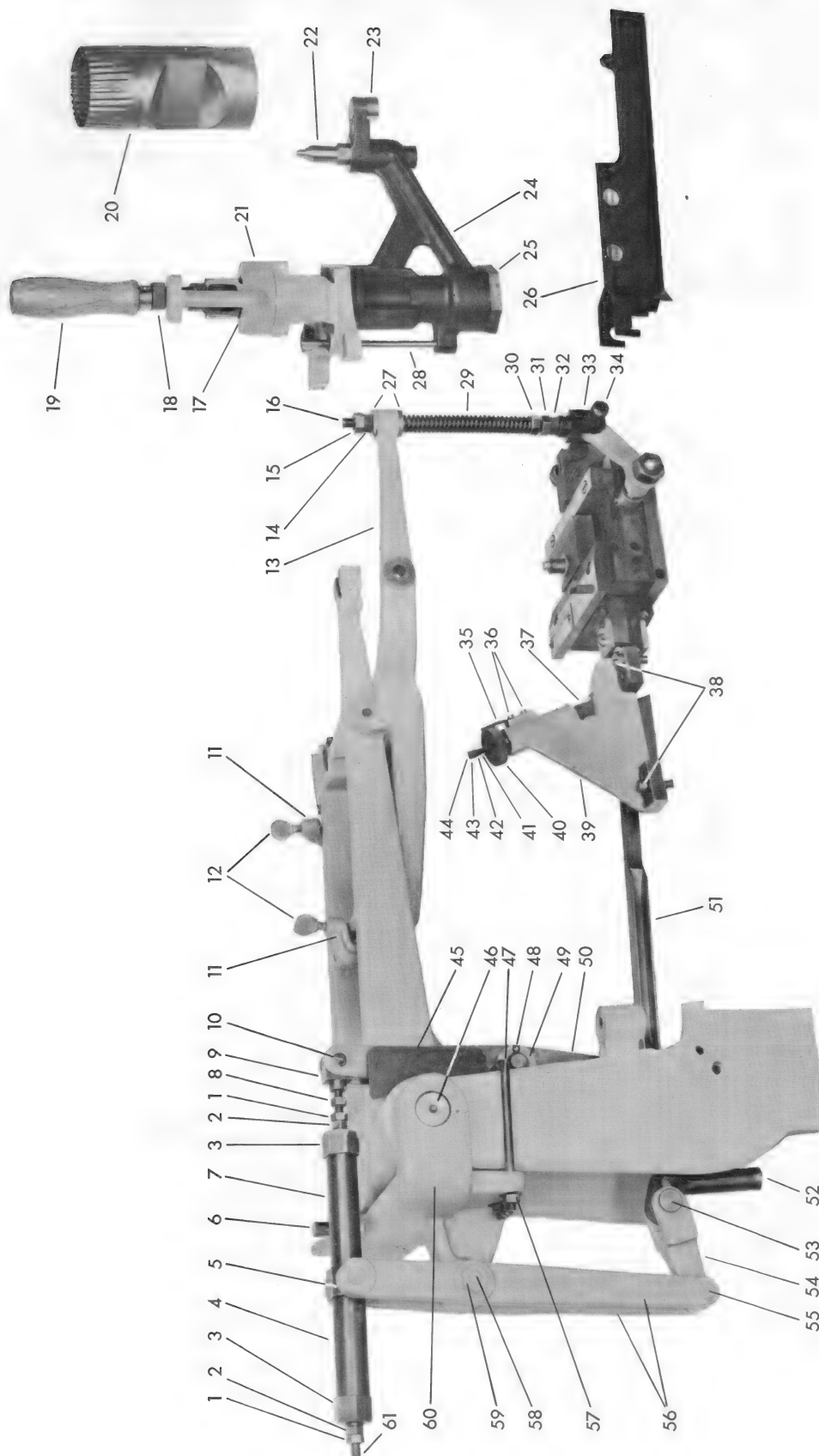
DISPLAY TYPE ATTACHMENT 9CU (Continued)

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	41A12	Slide HANDLE
2	41A14	Slide Latch BUTTON
3	41A7	Slide Clamp LEVER
4	41A4	Slide BUSHING
5	41A11	Slide Cover Plate SCREW (4) #260
6	41A2	STOP PIN #7161
7	41A1	MATRIX HOLDER (for Display Matrices)
8	41A13	Slide LATCH
9	41A15	Slide Latch RIVET (2) #7219
10	a41A5	Slide CLAMP (long)
11	41A17	Slide MATRIX ABUTMENT (standard)
12	41A10	Slide COVER PLATE
13	41A3A	SLIDE ASSEMBLY
14	41A8	Slide Clamp Lever PIN #7177
15	41A6	Slide CLAMP (short)
16	32C1	Mold Blade Abutment Slide Abutment Screw PACKING PIECE
17	b41A20	CLAMP (long)
18	a41A19	Matrix Holder Slide MATRIX ABUTMENT
19	a41A21	CLAMP (short)
20	b41A23	CLAMP (long)
21	a41A22	Matrix Holder Slide MATRIX ABUTMENT
22	a41A24	CLAMP (short)
23	a41A26	CLAMP (long)
24	a41A25	Matrix Holder Slide MATRIX ABUTMENT
25	a41A27	CLAMP (short)



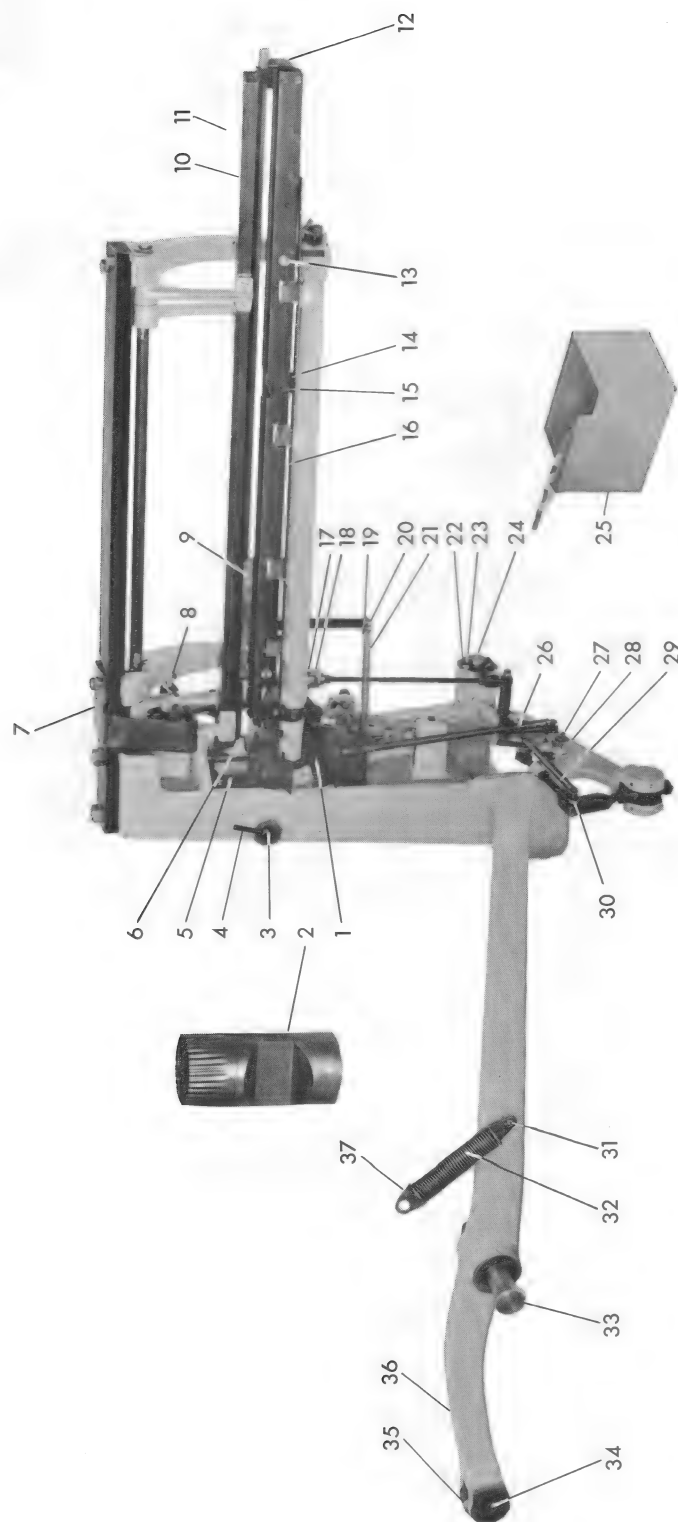
14 & 18 POINT COMPOSITION & CELLULAR SORTS

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	a40A4A	SLIDE ASSEMBLY (for .2" x .2" matrices)
2	40A9	Slide Latch RIVET (2) #7199
3	40A5	Slide FACE PLATE
4	40A1A	MATRIX HOLDER ASSEMBLY (for casting sorts from cellular matrices)
5	40A2	COVER PLATE
6	40A6	Slide Face Plate RIVET (5) #7198
7	40A7	Slide Matrix SUPPORT
8	a40A8	Slide LATCH
9	a72E12	Type Carrier Cam LEVER EXTENSION
10	3F2	STUD
11	3F3	Stud NUT (2) #327
12	3F	Column Pusher Adjusting Screw STAND
13	Xa2F	Column Pusher ADJUSTING SCREW
14	3F1	SPRING
15	29A4	NUT #310
16	29A3	KEY #7176
17	a29A1	CENTERING PIN (14 & 18 Pt. new style American and all English composition matrices)
18	69A1A	MATRIX CASE ASSEMBLY (for .2" x .4" & .4" x .4" matrices)
19	69A4	Spring PLATE



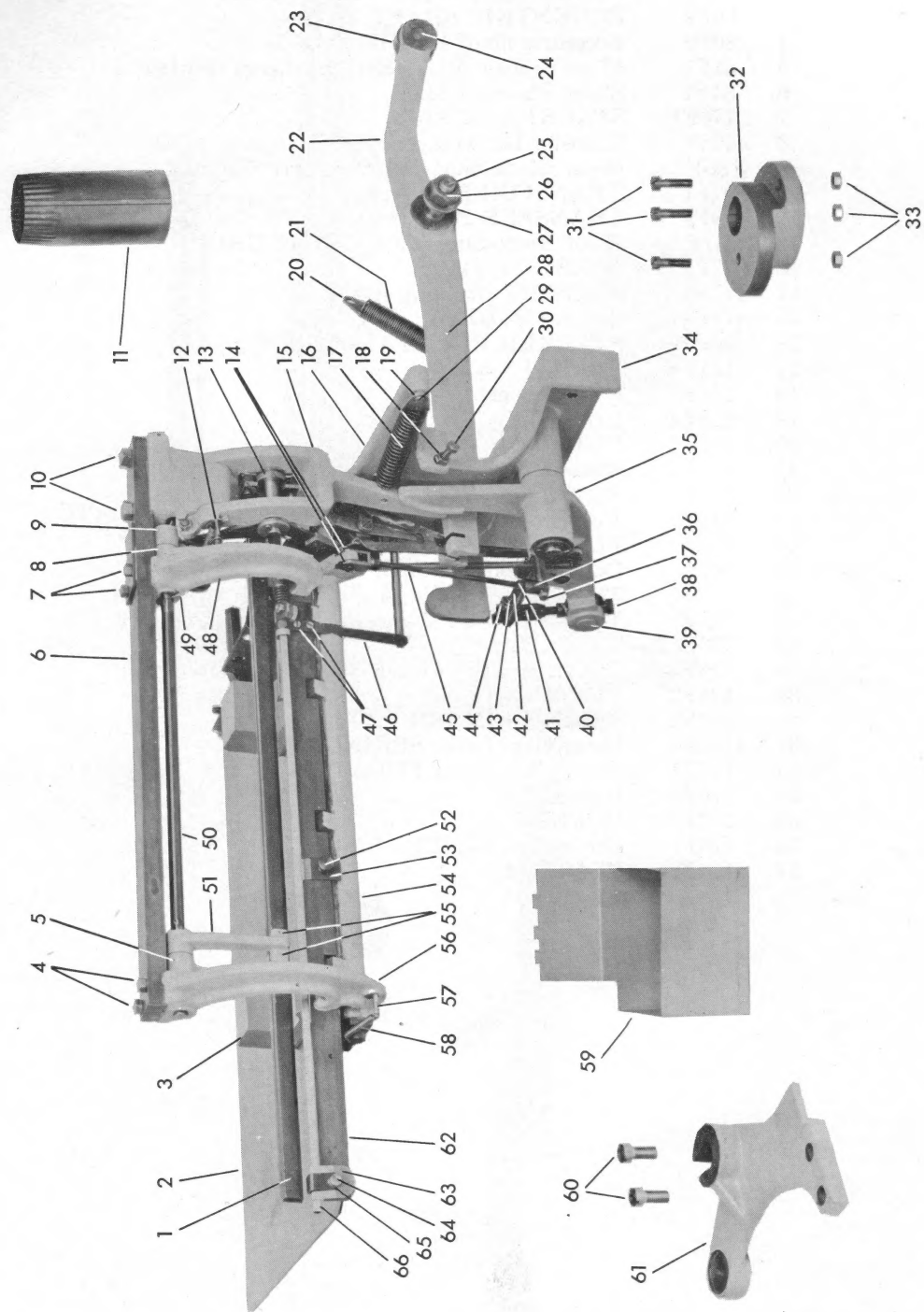
LEAD & RULE ATTACHMENT 11CU

Key	Symbol	Name	Key	Symbol	Name
1	141E8	Rod Adjusting Nut LOCK NUT (2) #312	32	a135E10	Eye LOCK NUT #314
2	141E7	Rod ADJUSTING NUT (2) #310	33	a135E9	EYE
3	141E2	CAP (2)	34	a135E11E	Eye PIN ASSEMBLY
4	141E3	SLEEVE	35	51B3	Adjusting Screw SPRING
5	141E10	TRUNNION	36	51B4	Adjusting Screw Spring SCREW (2) #2212
6	136E5	PIN	37	51B1	Mold Blade MICROMETER WEDGE
7	141E1	SPRING BOX	38	52B1	Mold Blade Micrometer Wedge Stand SCREW (2) #222
8	141E9	Rod LOCK NUT #312	39	51B10	STAND
9	138E3	CONNECTING EYE	40	51B2	ADJUSTING SCREW
10	138E4	Connecting Eye PIN	41	51B8	Rod SPRING #6170
11	a134E13	CLAMP (2)	42	51B6	Rod NUT #31
12	a134E15	Clamp THUMB SCREW (2)	43	51B7	Rod Nut LOCK NUT #31
13	b134E1	Centering Pin Lever BRACKET	44	51B5	ROD
14	a135E13	NUT #314	45	137E1	GUARD (on 136E1)
15	a135E14	Nut LOCK NUT #315	46	a15E1	Centering Pin Cam Lever SHAFT
16	a135E1	Clamping Screw CONNECTING ROD	47	136E3	Clamp BOLT
17	23H3	Guide SCREW (2) #220	48	139E2	COTTER #93
18	17H	PISTON	49	139E1	Operating Bar Lever FULCRUM PIN
19	17H1H	Piston HANDLE ASSEMBLY	50	138E1E	Operating Bar LEVER ASSEMBLY
20	a13H1	Melting Pot Chimney EXTENSION	51	53B1	Mold Blade OPERATING BAR
21	23H2	GUIDE	52	a72E4	EXTENSION
22	a14H4	NOZZLE (for continuous strip molds)	53	21B7	Forked Eye PIN
23	23H1	BEARING (nozzle end)	54	144E1	Spring Box Lever LINK
24	a23H11H	PUMP BODY ASSEMBLY	55	145E1	Spring Box Lever Link PIN
25	23H4	PLUG (bottom)	56	142E1	Spring Box LEVER (2)
26	79F1F	GUIDE PLATE ASSEMBLY	57	136E4	Clamp Bolt NUT (2) #312
27	a135E15	WASHER (2) #410	58	143E1	Spring Box Lever FULCRUM PIN
28	23H5	REGULATING SCREW	59	143E2	NUT (2) #319
29	b135E7	SPRING #6225	60	136E1	AUXILIARY BRACKET
30	a135E16	Spring ADJUSTING NUT #315	61	141E6	ROD
31	a135E17	Spring Adjusting Nut LOCK NUT #314			



AUTOMATIC CUTTER 12CU

<i>Key</i>	<i>Symbol</i>	<i>Name</i>
1	107F1	Main Bracket SHIELD
2	a13H1	Melting Pot Chimney EXTENSION
3	80F2	ECCENTRIC SHAFT
4	80F3	Eccentric Shaft HANDLE #865
5	82F1	Main Bracket BUFFER (for shear) (leather)
6	84F1	Shear Blade GUIDE
7	176F1	STACKER GUARD
8	a103F1	Transfer Bar Hanger SPRING (long) #623
9	X86F	Shear Blade Shoe Tube CLAMP GROUP
10	97F1	TRANSFER BAR (front)
11	96F1	TRANSFER BAR (rear)
12	X87F	Shear Blade Shoe Tube GUIDE GROUP
13	77F2	SCREW (2) #227
14	a77F3	SUPPORT (for long strips)
15	a77F4	Support SCREW
16	90F1F	STACKER PLATE ASSEMBLY
17	121F4	Eye PIN
18	121F3	EYE (upper)
19	118F2	PIN #854
20	117F2	PLATE (2)
21	117F1	Shear Trip Lever SPRING #6201
22	81F7	Fulcrum Pin WASHER #442
23	81F6	Fulcrum Pin COTTER #91
24	81F5	FULCRUM PIN (for 108F1)
25	76F1	BOX (for short leads)
26	127F1	Thrust Bar Bell Crank SPRING (long) #6202
27	124F1	Thrust Bar Bell Crank FULCRUM PIN #862
28	123F1F	Thrust Bar BELL CRANK ASSEMBLY
29	126F1	Thrust Bar Bell Crank SPRING (short) #6201
30	126F2	PLATE (2)
31	110F2	SPRING PIN #834
32	a114F1	Shear Cam Lever SPRING #6212
33	111F1	Shear Cam Lever FULCRUM PIN
34	110F4	Roller PIN
35	110F3	ROLLER
36	110F1	Shear Cam LEVER
37	a114F2	PLATE (2)



AUTOMATIC CUTTER 12CU (Continued)

Key	Symbol	Name	Key	Symbol	Name
1	b96F1F	TRANSFER BAR ASSEMBLY (rear)	35	108F1F	Shear BELL CRANK ASSEMBLY
2	78F1F	GALLEY ASSEMBLY	36	121F2	EYE (lower)
3	X92F	STACKER SUPPORT BLOCK ASSEMBLY (2)	37	108F4	Post NUT #35
4	94F2	BOLT (2) #129	38	122F3	NUT (2)
5	97F6	HANGER (right)	39	122F2	FULCRUM PIN
6	93F1	SUPPORTING BEAM	40	121F6	NUT (2) #35
7	95F2	BOLT (2) #129	41	122F1	THRUST BAR
8	96F2F	HANGER ASSEMBLY (left)	42	129F1	Thrust Bar OPERATING ROD
9	97F4F	HANGER ASSEMBLY (left)	43	129F3	Eye LOCK NUT #35
10	93F2	BOLT (2) #15	44	129F2	EYE
11	a13H1	Melting Pot Chimney EXTENSION	45	121F1	Stacker Rock Shaft CONNECTING ROD
12	95F3	SPRING PIN #859	46	118F1F	Shear Trip Lever SPRING BAR ASSEMBLY
13	a83F2	SHEAR BLADE	47	118F3	SCREW (2) #2166
14	121F5	Eye Pin COTTER (2) #95	48	95F1F	Supporting Beam BRACKET ASSEMBLY (left)
15	119F1F	SHEAR YOKE ASSEMBLY	49	100F2	COTTER (2) #93
16	a81F1F	MAIN BRACKET ASSEMBLY	50	100F1	Transfer Bar Hanger ROD
17	120F1	Shear Yoke SPRING #6207	51	96F4	HANGER (right)
18	109F2	NUT #310	52	a77F4	Support SCREW
19	120F2	PLATE (2)	53	a77F3	SUPPORT (for long strips)
20	a114F2	PLATE (2)	54	91F1	Stacker ROCK SHAFT
21	a114F1	Shear Cam Lever SPRING #6212	55	96F5	Hanger SCREW (4) #241
22	110F1F	Shear Cam LEVER ASSEMBLY	56	94F1F	Support Beam BRACKET ASSEMBLY (right)
23	110F3	ROLLER	57	94F3	SPRING PIN #855
24	110F4	Roller PIN	58	90F4	SPRING #6206
25	111F1	Shear Cam Lever FULCRUM PIN	59	76F1	BOX (for short leads)
26	111F2	NUT #329	60	a113F2	SCREW (2) #29
27	111F3	WASHER #443	61	a113F1	Shear Cam Lever Fulcrum Pin BRACKET
28	110F2	SPRING PIN #834	62	a77F1	CHANNEL BAR (for leads and rules)
29	81F3	SPRING POST #831	63	175F1	FRICTION PLATE
30	109F1	Shear Bell Crank ADJUSTING SCREW #136	64	175F2	SCREW #2167
31	148E2	SCREW (3) #213	65	175F3	Screw WASHER #440
32	148E1	SHEAR CAM (marked "R")	66	85F3	TUBE
33	148E3	Screw NUT (3) #314			
34	a81F1F	MAIN BRACKET ASSEMBLY			

INDEX OF ILLUSTRATIONS

TITLE	PAGE NUMBER
BASE	8
BLOCKS:	
B Block Assembly	40
C Block Assembly	48
D Block Assembly	46
BRIDGE:	
Bracket (Low Quad Mechanism)	56
Carrying Frame	58
Centering Pin Stand	54-58
CAM MECHANISM:	
Cam Shaft Cams	22
Cam Levers	18-20-22
Cam Shaft Stand	18-20-22
Centering Pin Cam Lever	18-22-24
DISPLAY TYPE ATTACHMENT 9CU:	
Display Machine Typesetting (14-16-18 Point)	98-104
Display Type Attachment—Part A	98-100-102-104
Speed Device—Part B	88-90-92-94-96
GALLEY MECHANISM:	
Cam Stand and Tray	26
Column Pusher	32
Main Stand	30
Pan Shelf	34
Trip Lever and Line Hook Latch	28-82
JAW TONGS	52
LEAD & RULE MECHANISM:	
Automatic Cutter—Attachment 12CU	108-110
Lead & Rule Attachment 11CU	106
LOCKING BARS	40-44-48
MAIN STAND	12-14
MATRIX CASES	60-102-104
MOLD—STYLE 3E	38
NORMAL WEDGE LOCKING PIN STAND	40-42
OIL PAN	16
PAPER TOWER:	
Centering & Quadding	14-30-32-62-64-68
Paper Tower	62-64
Paper Feed Mechanism	62-64
Paper Tension & Winding Spool Parts	64-66
PIPING & MOLD OILER	10
PUMP MECHANISM:	
Melting Pot (electric) and Partlow Control	78-80
Melting Pot (gas) and Burners	74-76-84
Pump Levers	84-86
Pump Operating Mechanism	72-82-86
Swing Frame	72-74
SIZING MECHANISM	42-46-48
Mold Blade Operating Mechanism	44-48
SPACING & DELETING	70
SPRING BOX & BELL CRANKS	50-70
THERMOMETER	84
TYPE CARRIER	36-40
TYPE PUSHER	40

